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No. 27]

NEW DELHI, SATURDAY, JULY 4, 1992 (ASADHA 13, 1914)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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PATENTS AND DESIGNS

Calcutta, the 4th July 1992

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1—137 GI/92

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Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),
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234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.

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पेटेंट कार्यालय

एकस्य तथा अभिकल्प

कलकत्ता, दिनांक 4 जुलाई 1992

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोङ्गी इस्टेट,
तीसरा तल, लोअर परले (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोवा, वमन तथा
विव एवं वादरा और नगर हवेली ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,
एकक से. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, कराँल बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटॉफिक”

पेटेंट कार्यालय शाखा,

61, वासाजाह रोड,

मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप
मिनिक्का तथा अमिनिदिव द्वीप

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय (प्रधान कार्यालय)
निजाम पैलेस, विजयी बह्मसलीय कार्यालय,
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपर्युक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपर्युक्त कार्यालय में नियंत्रक को भुगतान योग्य भनादेश अथवा डाक आदेश या जहाँ उपर्युक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से निानक की भुगतान योग्य बैंक ड्राफ्ट अथवा बैंक द्वारा की जा सकती है ।

CORRIGENDUM

In the Gazette of India, Part-III, Section-2 dated 28th March, 1992, under the heading, Accepted Compl. Specn., for No. 170477 (345/Bom/88), at the end, for Prov. Specn. 6-pages, Drg. one sheet read Prov. Specn. 6 pages. Drgs. two sheets.

GOVERNMENT OF INDIA

THE PATENT OFFICE

Calcutta, 4th July 1992

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent branch are the dates claimed under section 135, of the Patents Act, 1970.

The 25th May, 1992

351/Cal/92. Euroceltique, S. A. Stabilized dosage forms of choline, metal carboxymethylcellulose Salicylate Composition.

352/Cal/92. Degussa Aktiengesellschaft, Transesterification and other conversion Reactions of acid Derivatives using and amidine base.

353/Cal/92. Telefunken Systemtechnik GmbH. Information sign on landing or Taxing Tracks of Air-Strips.

354/Cal/92. Krone Aktiengesellschaft. Didirectional Data Transmission on an Optical Waveguide.

355/Cal/92. Hitachi Construction Machinery Co. Ltd. Offset Boom type construction machine.

The 26th May, 1992

356/Cal/92. Siemens Aktiengesellschaft. Contact Material based on silver for use in switchgear and control gear in power Engineering and process for the production of contact member from this material.

357/Cal/92. Bridge & Roof company (India) Ltd. and Jadavpur University. A novel method for storage of vegetables, fruits, grains and similar plant production.

358/Cal/92. Krupp Koppers GmbH. Process for the work-up of the bottom product of an extractive distillation for obtaining pure hydro-carbons.

359/Cal/92. Siemens Aktiengesellschaft. Contact material based on silver for use in switchgear and control gear in power engineering and a process for the production of contact members from this material.

360/Cal/92. UBE Industries, Ltd. Pyrimidine or triazine Derivative, process for preparing the same and herbicide using the same.

361/Cal/92. Bridge & Roof Company (India) Ltd. and Jadavpur University. A Novel container for storage and/or transportation of vegetables, fruits, grains and similar plant products.

162/Cal/92. Kaust ore Sinha, Triplex, Vulve for plmp system.

363/Cal/92. The Babcock & Wilcox Company. Low No-X short Flame Burner.

The 27th May, 1992

364/Cal/92. Amitabha Ray. A method for the manufacture of decorative laminated safety glass and safety synthetic polymeric sheets and substrates.

365/Cal/92. Diablo Research Corporation. Discharge lamps and methods for making discharge lamps.

366/Cal/92. Diablo Research Corporation. Base Mechanism to attach an electrodeless discharge light bulb to a socket in a standard lamp harp structure.

367/Cal/92. Diablo Research Corporation. Phosphor protection device for electrodeless discharge lamp.

368/Cal/92. Diablo Research Corporation. Dadio Frequency Interference reduction arrangements for electrodeless discharge lamps.

369/Cal/92. Otto Tuchenhausen GmbH & Co. KG. Method for cleaning a double seat valve and valve arrangement for performing the method.

The 28th May, 1992

370/Cal/92. Johnson & Johnson Inc. Flexible Absorbent Sheet.

371/Cal/92. Keystone International Holdings Corp. Method and apparatus for monitoring recirculation control system performance.

372/Cal/92. Rexnord Corporation. Splice apparatus including splice plates with compound curvature.

ALTERATION OF DATE UNDER SECTION 16

171019.—Filled on 20 JUL 1988.

(619 DEL 883.—Ante-dated to 19 Nov. 1985.

ALTERATION OF DATE UNDER SECTION 16

Patent No. 171030.—Ante-dated to 18th February, 1986.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra) Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 में सहित विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के अनुरूप है।”

नीचे सूचीगत विनिर्देशों की सीमित संख्या मुद्रित प्रतियां, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है।

(अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथा प्रवर्णित विनिर्देशों को संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl.: 19N

171011

Int. Cl.: H05K 3/34.

APPARATUS FOR APPLYING SOLDER HAVING A HORIZONTAL ORIENTED CARRIER.

Applicant: SUN INDUSTRIAL COATING PRIVATE LIMITED, A SINGAPORE COMPANY, OF No. 8 THIRD LOK YANG ROAD, JURONG, SINGAPORE 2262.

Inventor: AH TEE SIM.

Application for Patent No: 585/DEL087 filed on 10 JULY 1987.

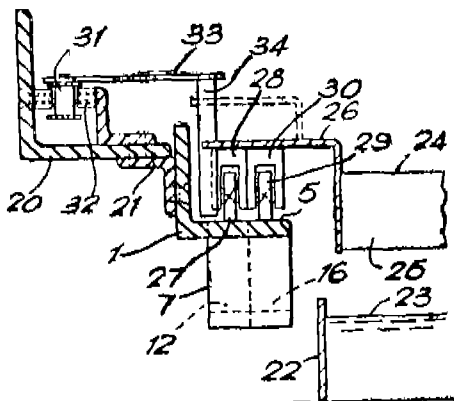
Convention date 11 JUL 1986/8616939/U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

Apparatus for applying solder having a horizontally oriented carrier with guide tracks thereon for supporting electronic integrated circuit packs with downwardly depending leads on which solder is to be applied, said apparatus

comprising a solder bath (23), a track (1, 2) for guiding the carrier (24) across the solder bath (22), and means (31, 32, 33, 34), for moving the carrier (24) along the guide track (1, 2) said carrier (24) having a first follower (27) for supporting a leading portion of the carrier (24) on the guide track (1, 2), and a second follower (29) longitudinally spaced from the first follower (27) for supporting a trailing portion of the carrier (24) on the guide track (1, 2), said guide track (1, 2) having a first profiled indentation (12) for guiding the first follower (27) down towards the surface (23) of the solder, and a second profiled indentation (16) longitudinally spaced from the first profiled indentation (12) for simultaneously guiding the second follower (29) down towards the surface (23) of the solder, the first and second profiled indentations (12, 16) of the guide track (1, 2) being laterally offset from each other, and the first and second followers (27, 29) for supporting the leading and trailing portion of the carrier (24) being likewise laterally offset from each other so that when the carrier (24) is urged along the guide track (1, 2) the first follower (27) bypasses the second profiled indentation (16) and the second follower (29) by passes the first profiled indentation (12), the profiles of the first and second profiled indentations (12, 16) being substantially the same and the longitudinal spacing of the profiled indentations (12, 16) from each other being substantially the same as the longitudinal spacing of the first and second followers (27, 29) from each other so that when the carrier (24) is urged along the guide track (1, 2) it maintains its horizontal orientation at the same time as being moved vertically towards and away from the surface (23) of the solder so as to dip the leads of the packs in the solder.



(Complete Specification 12 Pages Drawing Sheets 2)

Ind. Cl. : 40 F IV (1).

171012

Int. Cl. : C 22 B 43/00.

PROCESS FOR RECOVERING MERCURY FROM NATURAL GAS.

Applicant : M.W. KELLOGG COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF THREE GREENWAY PLAZA, HOUSTON, TEXAS 77046-0395, UNITED STATES OF AMERICA.

Inventors : RAMANATHAN RAMASWAMI TARAKAD, DUFFER BROOKS CRAWFORD.

Application for Patent No. 615/DEL/87 filed on 17-7-87.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

15 Claims

A process for recovering mercury from a natural gas stream which comprises contacting said natural gas stream in a gas/liquid contacting zone with a first mercury-free hydrocarbon liquid having a molecular weight between 20 and 130, recovering in a manner such as herein described a

mercury-enriched hydrocarbon liquid and a mercury-lean methane-rich gas from said gas/liquid contacting zone and separating in a manner such as herein described, said mercury from said hydrocarbon liquid and said methane rich gas.

(Complete Specification 19 Pages Drawing Sheets 2)

Ind. Cl. : 153 G XXXVII (1),

171013

Int. Cl. : B 41 C 1/14

A PROCESS FOR THE FORMATION OF STENCIL SOLDER CREAM PRINTING ON THICK FILM HYBRID CIRCUITS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : YOGENDRA KUMAR JAIN, SATISH KUMAR BHATNAGAR AND HARISH CHANDRA PANDEY.

Application for Patent No. 633/DEL/87 filed on 24 JUL 1987.

Complete Specification left on 4 AUG 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for the formation of stencil for solder cream printing on thick film hybrid circuit which comprises.

- making a conductor pattern on a paper by conventional methods;
- mounting the patterned paper so obtained on a transparent plastic sheet using a double sided adhesive tape;
- mounting the mounted pattern paper obtained in step (b) on a hard bakelite or plastic sheet using again a double sided adhesive tape;
- drilling holes by known methods where solder cream is to be printed and
- removing the said transparent plastic sheet on which holes have been drilled to be used as stencil for solder cream printing on thick film hybrid circuits, by known methods.

(Provisional Specification 3 Pages)

(Complete Specification 7 Pages)

Ind. Cl. 145 DXXIV (4).

17104

Int. Cl. : B01D 33/14.

BELT PRESS FOR DEWATERING FILTER CAKES.

Applicant : DORR-OLIVER INCORPORATED, A CORPORATION OF THE STATE OF DELOWARE, UNITED STATES OF AMERICA, HAVING A PRINCIPAL PLACE OF BUSINESS A 77 HAVEMEYER LANE, CITY OF STAMFORD, STATE OF CONNECTICUT 06904-9312, STATE OF AMERICA.

Inventor : KURT PIETZSCH.

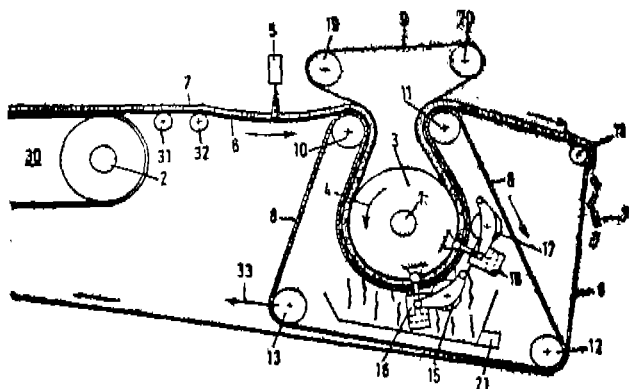
Application for Patent No. 635/DEL/87 filed on 27 July, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A belt press for dewatering filter cake (7) discharged from a belt filter (30), said belt press comprising a rotatable drum (3), a substantially endless filter cloth (6) having filter cake (7) thereon extending around a peripheral portion of the drum (3) as a substantially U-shaped loop, said filter cloth (6) extending from said belt filter discharge side and being driven by a drive means of said belt filter (30), characterised by said belt press having a separate said drive means for said filter cloth (6), said separate drive

means being the rotatable drum (3) itself whereby any frictional forces are exerted only on said filter cake (7) located between the drum (3) and the filter cloth (6), said filter cloth only receiving drive indirectly through the frictional force on said filter cake (7), a measuring means (5) for measuring the tension in said filter cloth (6) and located at an inlet side of said belt press, said measuring means (5) being connected to the drive drum (3) by way of a control means for regulating the rotational speed of the drive drum in dependence of the measured tension on said filter cloth (6).



(Complete Specification 17 Pages Drawing Sheets 2).

Ind. Cl. : 29 C XLI (2).

171015

Int. Cl. : GO 6 F 12/16.

DIGITAL COMPUTER IN COMBINATION WITH A SYSTEM FOR PREVENTING AN UNINTENTIONAL MEMORY LOSS DUE TO AN INTERRUPTION OF A MAIN POWER SUPPLY.

Applicant : UNIVERSAL VECTORS CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF VIRGINIA, UNITED STATES OF AMERICA, OF 1875 CONNECTICUT AVENUE, N.W., WASHINGTON, D.C. 20009, UNITED STATES OF AMERICA.

Inventors : KERRY BYRD.

Application for Patent No. 657/DEL/87 filed on 29 July, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

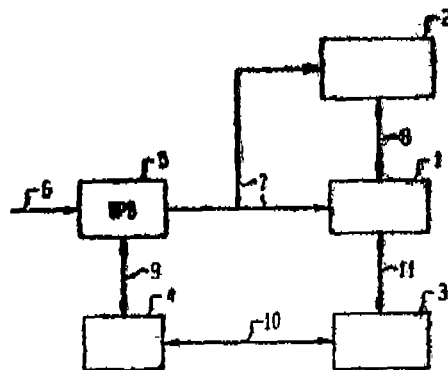
A digital computer in combination with a system for preventing an unintentional memory loss due to an interruption of a main power supply, the computer (1) having a central processing unit (13) driven by an operating system environment external to the central processing unit (13), volatile random-access memory (14) the combination comprising.

Power supply means (27) connected to the computer (1) for supplying electric power to the computer (1) after a main power interruption;

Means (4) connected to the power supply means (27) for monitoring the main electric power supply (5) and for generating a signal indicative of an interruption thereof;

Means (3) connected to the monitoring means (4) and the computer (1) for directing an operation of the computer (1) and for conserving power to be supplied by the power supply means (27), the directing means (3) being responsive to the interruption signal and having an interrupt program stored in a non-volatile memory (14) connected to the central processing unit (13); and

Means (16) connected to the monitoring means (4) and the computer (1) for storing the application program and operating system stored in the random-access memory (14) and the central processing unit's (13) state, the storing means (16) being responsive to the directing means (3).



(Complete Specification 23 Pages Drawing Sheets 8).

Ind. Cl. : 206 E LXII.

171016

Int. Cl. : H 01 L 21/00, 21/20.

A PROCESS FOR MANUFACTURING AN INTEGRATED CIRCUIT.

Applicant : ARROWHEAD INDUSTRIAL WATER, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 2375 SANDERS ROAD, NORTHBROOK, ILLINOIS 60062, UNITED STATES OF AMERICA AND MONSANTO COMPANY A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 800 NORTH LINDBERGH BOULEVARD, ST. LOUIS, MISSOURI 63167, UNITED STATES OF AMERICA.

Application for Patent No. 703/DEL/87 filed on 12-8-1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

11 Claims

A process for the manufacture of an integrated circuit incorporating multiple patterned layers of thin film materials on a semiconductor wafer which comprises :

depositing at least one material layer of the kind described on the semiconductor wafer surface;

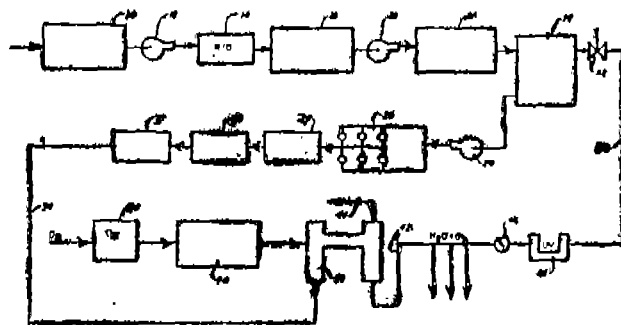
depositing a photoresist layer over said at least one material layer;

exposing said photoresist layer to light to change its characteristics;

removing selected portions of the exposed photoresist layer to uncover portions of the material layer immediately below;

removing those portions of the material layer thus uncovered to expose portions of said wafer surface; and

conditioning said wafer by rinsing it with a purified water solution containing at least 0.01 ppm ozone.



(Complete specification 13 pages.

Drawing sheet 1).

Ind. Cl. : 206 E.

171017

2 Claims

Int. Cl.⁴ : G06C 15/00.

A DIGITAL INDICATOR FOR COMPARING DIGITAL MULTISSET POINTS WITH A SINGLE SET OF DIGITAL COMPARATORS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

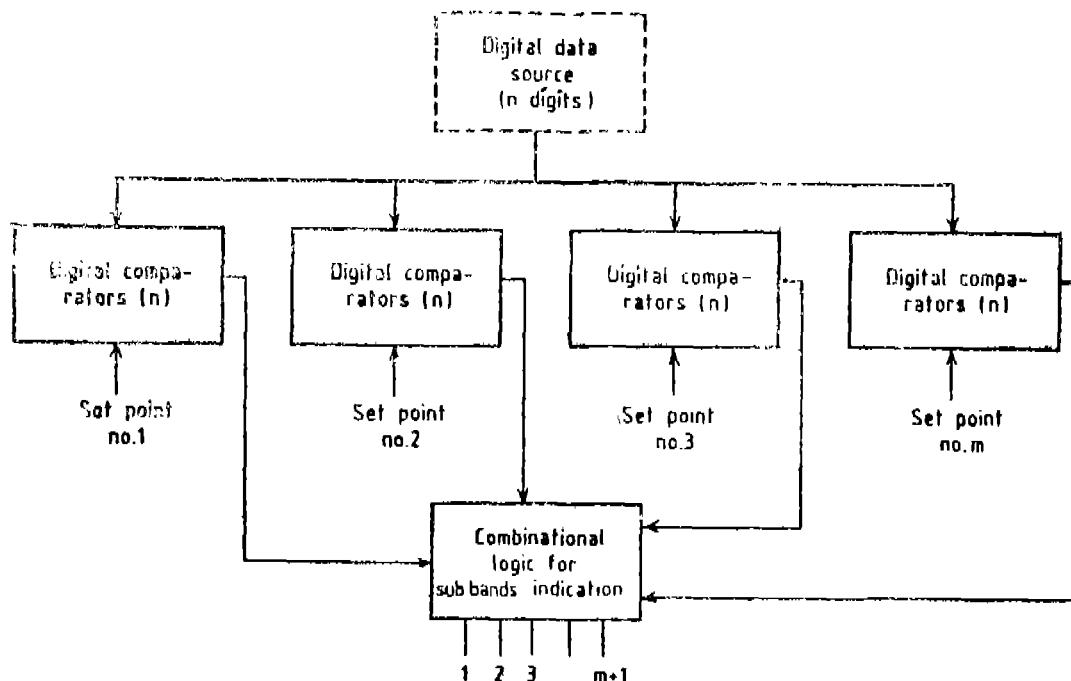
Inventors : HAUSILA SINGH, SURJIT SINGH AHLUWALIA & BABU LAL SAINI.

Application for Patent No. 739/DEL/87 filed on 24 Aug 1987.

Complete Specification left on 21 Nov. 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-11005.

A digital indicator for comparing the digital multiset points with a single set of digital comparators which comprises of an input data latch (1) in which the number of latches equals to the number of digits to be compared, the latches having two inputs and one output. One of the inputs coming from the input data generator source (7) and the other input coming from a reset and transfer generator (6), the output of latch (1) being connected to a set of digital comparators (2), such that the number of comparators being equal to the number of digits to be compared, another input of the digital comparator (2) coming from a set-point sequence generator (4) which in sequence generates m number of set points starting either from lowest set point to highest one or in the reverse order, the output of the digital comparator (2) being connected to an input of counter and sub-band selector (3) whose maximum count number relates to the number of set points as herein described, the sub-band selector (3) having at least 2 inputs and 2 outputs—one of the outputs of the counter and sub-band selector (3) being connected to set point sequence generator (4) and the other input of counter and sub-band selector (3) coming from reset/transfer selector (6) the input of the reset transfer generator (6) being the output of the data generator source (7), the other output of the counter and sub-band selector (3) being connected to a status indicator (5) which indicates up to m + 1 status which corresponds to maximum number of sub-bands.



(Provisional specification 4 pages.

Drawing

(Complete specification 9 pages.

Drawing

Ind. Cl. : 40 I.

171018

Int. Cl.⁴ : C01B 7/13.

A PROCESS FOR THE PREPARATION OF A SOLID FORMULATION FOR FIELD TESTING OF IODINE IN THE RANGE OF 1 — 15 ppm PRESENT IN 50g IODATED SALT.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAJI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : SHARAD DURGASHANKAR BHATT, SATISH HARIRAY MEHTA, ROHIT HARIKRISHNA TRIVEDI, GOPAL DATTATREYA BHAT & BHAGWAN PANDURANG CHOUDHARI.

Application for 1987.

Complete Specification left on 17 May 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A process for the preparation of a solid reagent for field testing of iodine in the range of 1-15 ppm present in 50g iodated salt when mixed with oxalic acid and potassium iodide which comprises preparing a saturated Solution of Potassium chloride in a solution of sodium thiosulphate having concentration in the range of 0.1312N to 0.3936N adding orystals of potassium chloride having size ranging from 18 to

30 mesh size to the said saturated solution, filtering the solution, filtering the solution under vacuum and drying the crystals in air.

(Provisional specification 4 pages).

(Complete specification 6 pages).

Ind. Cl. : 189 & 170 B & D.

171019

Int. Cl.⁴ : C11D 3/02.

FABRIC SOFTENING BENTONITE-SODIUM SULFATE AGGLOMERATE AND PROCESS FOR MANUFACTURING FOR THE SAME.

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventors : PALLASSANA N RAMACHANDRAN, CHARLES J SCHRAMM, H PETER LAZECKY & MARTIN DAVID REINISH.

Application for Patent No. 619/DEL/88 filed on 20 Jul. 1988.

Divisional to Patent Appln. No. 966/DEL/85 filed on 19 Nov. 1985.

Ante-dated to 19 Nov. 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

A fabric softening bentonite-sodium sulfate agglomerate having particles of sizes in the range of No's. 10 to 140 U.S. sieves, the U.S. Sieve Series and moisture content in the range of 6 to 16% by weight which comprises mixtures of finely divided bentonite and sodium sulfate, with at least a major proportion by weight of each of the bentonite and sodium sulfate particles being less than No. 100 U.S. sieve size, with the proportions of bentonite and sodium sulfate being within the range of one part of sodium sulfate by weight to 2 to 10 parts of bentonite by weight, and the bentonite and sodium sulfate particles being held together in the agglomerate particles by hydrated bentonite and hydrated sodium sulfate at the surfaces of said particles.

A process for manufacturing fabric softening bentonite-sodium sulfate agglomerate as claimed in any one of the preceding claims, which process comprises mixing together particles of bentonite and sodium sulfate, with major proportions of particle sizes less than No. 100 sieve, U.S. sieve Series, in a proportion of bentonite to sodium sulfate in the range of 2 to 10 parts of bentonite per one part of sodium sulfate, by weight, and, while continuing mixing of the materials, overspraying onto the moving surfaces of the particles sufficient water to cause the particles to agglomerate to particles of sizes larger than No. 100 U.S. sieve and of moisture content in the range of 15 to 35%, drying the moist agglomerated particles to a moisture content in the range of 6 to 16%, while maintaining the particles in motion, and collecting such dried particles of sizes in the range between No's. 10 to 140 U.S. sieves.

(Complete specification 39 pages Drawing sheet 1).

Ind. Cl. : 32 F2c & 55 E4

171020

Int. Cl.⁴ : C07C 103/19.

IMPROVED PROCESS FOR THE PREPARATION OF α -6-DEOXY-6-METHYL-5-HYDROXY TETRACYCLINE AND SALTS THEREOF.

Applicant : RANBAXY LABORATORIES LIMITED, 19 NEHRU PLACE, NEW DELHI, INDIA, AN INDIAN COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1956.

Inventors : JAG MOHAN KHANNA, KIRAN BALA & INDER PAL SINGH GROVER.

Application for Patent No. 775/Del/88 filed on 14 Sept. 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

An improved process for the preparation of α -6-deoxy-6-methyl-5-hydroxy tetracycline or salts thereof by stereospecific hydrogenation of the compounds of the formula shown in Figure II of the accompanying drawings

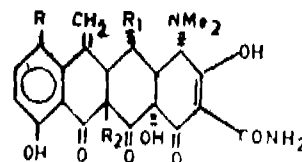


FIGURE-I

in which R is H or Cl, R₁ is H or OH, and R₂ is H; or an acid salt thereof in an inert organic solvent in the presence of rhodium catalyst of the formula Rh(NH₂ OR₂ HX) (Ph₃P)₂ Cl₂ as shown in Figure III of the accompanying drawings

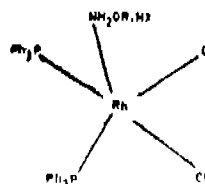


FIGURE-III

in which R is H, methoxy, ethoxy or n-propyl group and X is chlorine and recovering the α -6-deoxy-6-methyl-5-hydroxy tetracycline as sulfosalicylate salt thereof or p-toluenesulphonate salt thereof from the hydrogenation mixture, by known methods.

Compl. Specn. 10 pages.

Drg. 1 sheet

Ind. Cl. : 172 D7, 172 D8 [GROUP XX]

171021

Int. Cl.⁴ : D0 1H 13/10, 1/135.

A FRICTION SPINNING APPARATUS FOR PRODUCING YARN AND MONITORING THE QUALITY OF THE SPUN YARN

Applicant : MASCHINENFABRIK RIETER AG OF CH-8406 WINTERTHUR, SWITZERLAND, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND.

Inventors : (1) HERBERT STALDER (2) PETER EGLOFF (3) BOLF BINDER (4) JOSEF BAUMGARTNER.

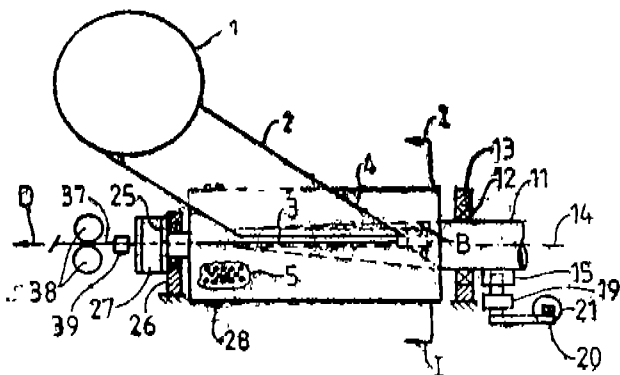
Application No. 163/Mas/88 filed on 14th March 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

11 Claims

A friction spinning apparatus for producing yarn and monitoring the quality of the spun yarn comprising means defining a spinning position having at least one friction spinning element with an external surface and an internal surface to produce a fiber tube from fibers delivered to the spinning position; a suction zone provided on the external surface of the said friction spinning element said suction

zone having a suction nozzle provided with a suction slot located adjoining the internal surface of the said friction spinning element; said means defining spinning position being provided with a counter element cooperating with said friction spinning elements and in spaced relationship with the said friction spinning element defining a nip between said counter element and said friction spinning element; a yarn tension measuring device disposed downstream of the said spinning position with respect to the direction of movement of spun yarn formed from the fiber tube; and means for adjusting tension of the spun yarn by selectively acting upon at least any one of said friction spinning element, said counter element and said suction nozzle.



Compl. Specn. 22 pages.

Drgs. 3 sheets.

Ind. Cl. : 172 D7, 172 D8, (GROUP XX)

171022

Int. Cl.⁴ : D 01 H 13/10, D0 2G 1/16.

A FALSE TWIST JET SPINNING APPARATUS FOR SPINNING YARN AND MONITORING THE YARN QUALITY OF THE SPUN YARN.

Applicant : MASCHINENFABRIK RIETER AG, OF CH-8406 WINTERTHUR, SWITZERLAND. A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND.

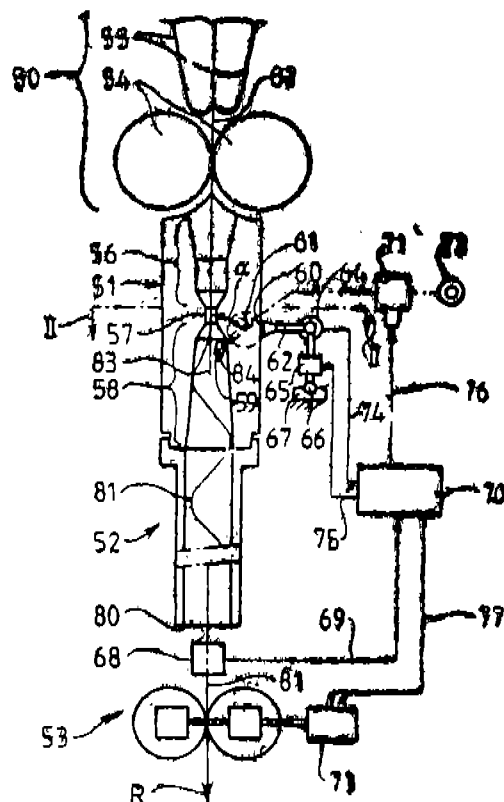
Inventors : HERBERT STALDER, PETER EGLOFF, ROLF BINDER AND JOSEF BAUMGARTNER.

Application No. 164/MAS/88 filed on 14th March 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972) Patent Office Branch, Madras.

10 Claims

A false twist jet spinning apparatus for spinning yarn and monitoring the yarn quality of the spun yarn comprising means defining a spinning position to define a running yarn travelling in a predetermined direction, a yarn tension measuring device disposed downstream of the spinning position with respect to the said predetermined direction of travel of the spun yarn, said yarn tension measuring device having a signal producing means for delivering a measurement signal corresponding to the measured yarn tension of the spun yarn; and means for adjusting tension of the spun yarn in response to the said measurement signal delivered by the said yarn tension measuring device.



(Complete specn. pages 22

Drgs 3)

Ind. Cl. : 172 D 8 [XX]

171023

Int. Cl.⁴ : D 01 H 1/13.

AN IMPROVED DEVICE FOR THE START OF SPINNING OPERATION IN A FRICTION SPINNING MACHINE.

Applicants : MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND OF WINTERTHUR SWITZERLAND.

Inventors : SAMUEL WEHRLI AND EMIL BRINER.

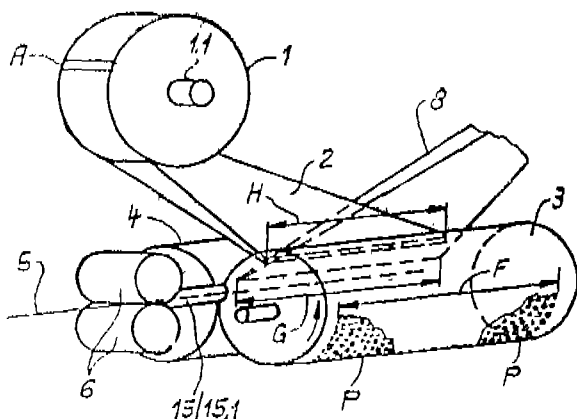
Application No. 171/MAS/88 filed on 16th March 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972) Patent Office Branch, Madras.

12 Claims

An improved device for the start of spinning operation in a friction spinning machine with a friction spinning means having friction spinning surface on which fibres are delivered, the fibres being formed into a lap at a yarn formation position and withdrawn by a pair of yarn withdrawal rollers characterised in that the device is provided with a pressure air passage having an outflow opening directed towards the said yarn formation position and the flow of air stream is directed in such a manner that the back pressure arising therefrom is divisible into two pressure components of different magnitudes, in which the larger pressure component acting in the withdrawal direction of the yarn, and a yarn guide element is provided between the said friction spinning means and the said pair of yarn withdrawal rollers for guiding the

said lap and a portion of the air-stream from the said pressure air passage.



(Comp specn. - 20 pages;

Drgs. 6 sheets)

Ind. Cl. : 107 G [GROUP XLVI(2)]
146 C GROUP XXXVIII(2)]

171024

Int. Cl. : G 01 R 29/00.
B 64 D 33/00.

APPARATUS FOR MONITORING THE INTAKE OF FOREIGN BODIES INTO AN ENGINE.

Applicant : STEWART HUGHES LIMITED, A BRITISH COMPANY OF CHILWORTH MANOR SOUTHAMPTON, HAMPSHIRE. SO9 1XB UNITED KINGDOM.

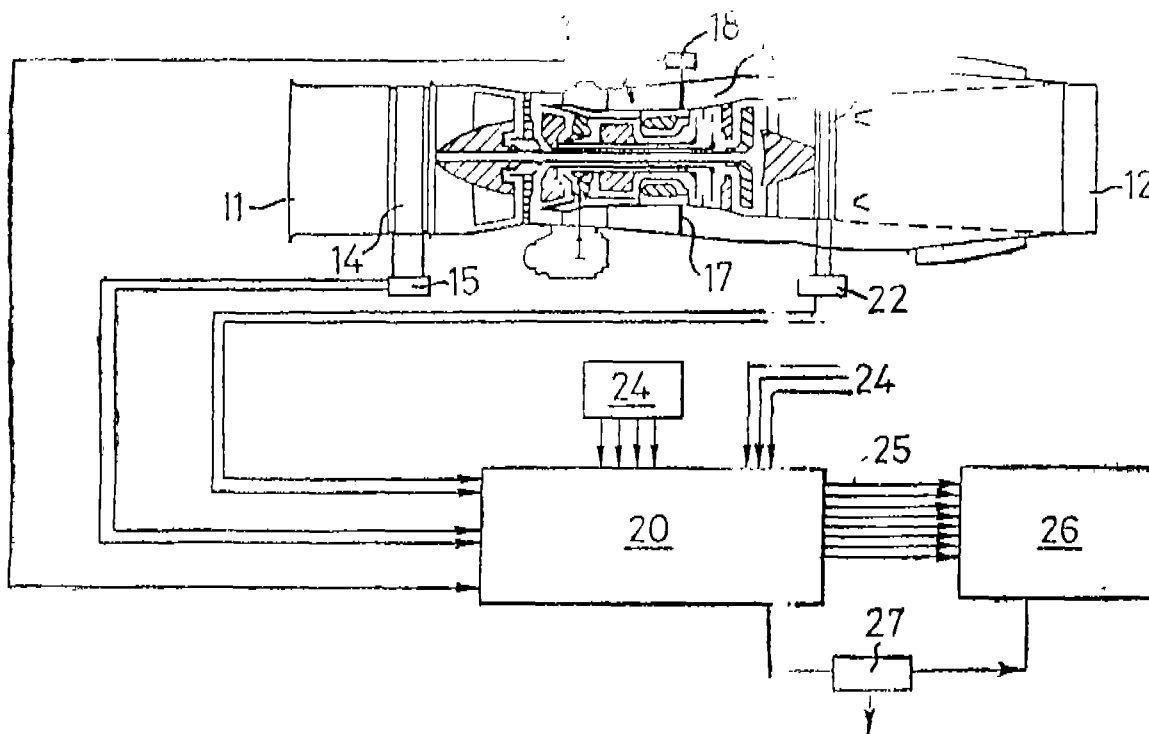
Inventors : CELIA ELIZABETH FISHER AND ROY FORFITT.

Application No. 188/MAS/88 filed on 23rd March 1988.
Convention date 25th March 1987; No. 8707187 (U.K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

7 Claims

Apparatus for monitoring the intake of foreign bodies into an engine (10) comprising one or more sensors (14, 17, 21) located at or near the intake (12) of said engine, the said sensors being connected to detection means (20) for detecting electrostatic charge induced on said sensors by the passage of said foreign bodies therepast, said detection means (20) having measuring means for measuring rate of change of the electrostatic charge induced on said sensors and means for measuring the magnitude of the electrostatic charge.



Compl. specn. 18 pages.

Drgs. 2 sheets.

Ind. C - 90-H & I [GROUP-XXXVI]
Int. Cl. - C 03 B 5/16

171025

AN IMPROVED METHOD FOR PRODUCING MOLTEN GLASS AND A GLASS MELTING FURNACE THEREOF.

Applicant : BETEILIGUNGEN SORG GMBH & Co. KG OF IM ALLER 23 8770 LOHR/MAIN, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventor : HELMUT PIEPER

Application No. 191/MAS/88 filed March 24, 1988.
2-137GI/92

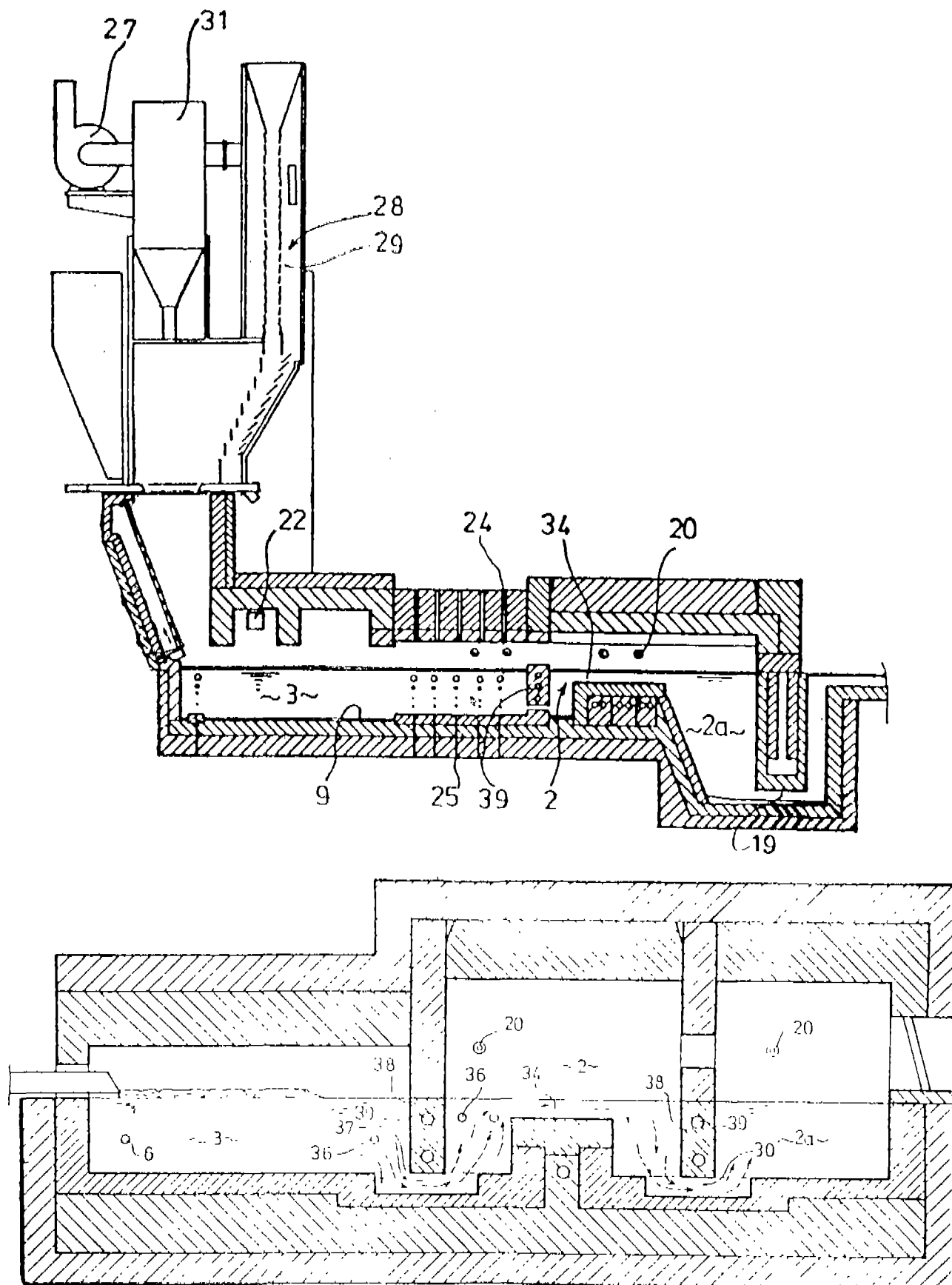
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

An improved method for producing molten glass in a glass melting furnace comprising the steps of melting glass in a melting section; clarifying the glass in a clarifying section adjoining the melting section; homogenizing the said molten glass in a homogenization section adjoining the said clarifying section and withdrawing the molten glass therefrom; the improvement comprising feeding the molten glass to the charging end of the melting section while heating the charging end by electrical heating means; heating the

clarifying section by burners fed with hot mixture of combustion gases and air fed through a heat exchanger by exchanging heat from hot flue gas withdrawn at the char-

ging end after sweeping across the melting section; whereby the temperature in the clarifying section is kept higher than that of the melting section and homogenizing section.



Ind. Cl. : 32-F. 2 (a) [GROUP-IX (1)]

171026

Int. Cl. : C 07 C 91/44.

AN IMPROVED PROCESS FOR PRODUCING N, N-DIETHYLAMINOPHENOLS

Applicant : SUMITOMO CHEMICAL COMPANY, LIMITED, OF 15, KITAHAMA 5-CHOME, HIGASHI-KU, OSAKA, SHI, OSAKA, JAPAN; A JAPANESE COMPANY.

Inventors : (1) HIROSHI MAKI, (2) SHIGERU SASAKI,

Application No. 213/MAS/88 filed April 5, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims. No drawing

An improved process for producing N, N-diethylaminophenol comprising the steps of subjecting aminophenol to reductive alkylation with acetaldehyde in a solvent selected from methanol, ethanol and propanol in the presence of hydrogen pressure and a catalyst selected from platinum, palladium and nickel; removing the catalyst from the reaction mixture in a known manner; distilling the said reaction at appropriate pressure maintaining the temperature of the bottom portion at 60°C to 160°C to substantially remove the unreacted acetaldehyde and the solvent; continuing the distillation maintaining the temperature of the bottom portion at 120°C to 200°C to recover crude N, N-diethylaminophenol as a distillate; contacting the said distillate with a solvent substantially incompatible with the N, N-diethylaminophenol such as herein described containing at least one compound selected from acid sodium sulphite, acid potassium sulphite, sodium dithionite and potassium dithionite in an inert atmosphere; precipitating and recovering N, N-diethylaminophenol by cooling.

(Com. - 17 pages)

Ind. Cl. 107 - G [GROUP-XLVI (2)]

171027

Int. Cl. : F 02 B 41/00.

A VARIABLE COMPRESSION RATIO ANTI-KNOCK TWO STROKE J. C. ENGINE.

Applicant : TVS-SUZUKI LIMITED, HARITA, HOSUR 635 109, TAMIL NADU, INDIA, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA

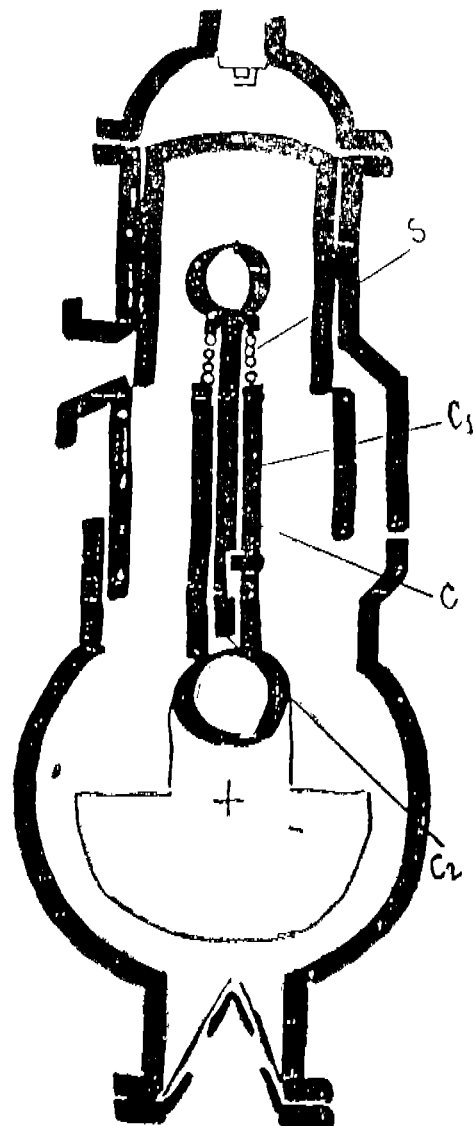
Inventors : (1) CHINNASWAMI VARADARAJAN (2) NARAYAN RAMANI, (3) MEDURI NEELACHALAPATHI MURALKRISHNA.

Application No. 172/MAS/89 filed March 2, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A variable compression ratio anti-knock two stroke i. c. engine comprising a piston reciprocally mounted within a cylinder, the piston being provided with a connecting rod constituted by at least two segments resiliently coupled to each other under predetermined tension whereby the effective length of the connecting rod decreases correspondingly with increase in compression pressure beyond a predetermined value, thus correspondingly increasing the clearance volume in the cylinder.



(Com.-5 pages; Drwgs. - 2 sheets)

Ind. Class - 13-A&C - [GROUP - XL(1)]

171028

Int. Cl. : B 65 D 33/36

A PACKAGE CAPABLE OF CONTAINING A SUBSTANCE TO BE ADIED TO A LIQUID MEDIUM

Applicant : CIBA-GEIGY AG, KLYBECKSTRASSE 141, 4002 BASLE, SWITZERLAND, A SWISS COMPANY.

Inventors : JOHN PATRICK COWLAND, ROSS LERICH EVANS.

Application No. 471/MAS/90 filed 14th June, 1990.

Convention date : June 30, 1989; (No. 89 150593; Great Britain)

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

9 Claims

A package capable of containing a substance to be added to a liquid medium, the package comprising walls which are not readily soluble and/or dispersible in the liquid medium, each of the walls having an end portion folded towards a centre of the package to form a base; and a water soluble or dispersible strip for closing and sealing the base.

(Com. 10 pages;

Drwgs. - 2 sheets)

Ind Class - 32-F.2(b) - [GROUP - IX(1)]

171029

Int. Cl.⁴ - C 07 D 473/04

A PROCESS OF PRODUCING FLUORESCENCE-FREE XANTHINES.

Applicant : HOECHST AKTIENGESellschaft, A CORPORATION ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) REDOLF KNIEPS

(2) OTTMAR JAENICKE

(3) WALTER SCHONFELD

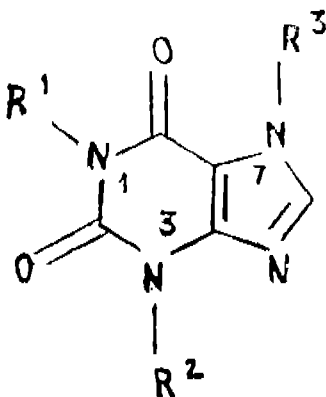
Applicaaion No. 684/Mas/90 filed August 28, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

A process of producing fluorescence free xanthines of the formula I of the accompanying drawing in which

R¹, R² and R³ independently of one another are H or (C₁—C₆)-alkyl, preferably H or CH₃, where in at least one of the 3 radicals must be H, precipitating said xanthines from aqueous solution at a final pH of between 7 and 9.5 by means of CO₂ and separating said xanthines from the liquid phase.



(Com. - 11 pages;

Drwgs. - 1 sheet)

Ind. Class - 40-B - [GROUP - IV(1)]

171030

Int.Cl.⁴—B 01 J 29/06

A FLUIDIZABLE CRACKING CATALYST COMPOSITION

Applicant : AKZD N. V., OF VELPERWEG 96, 6824 BM ARNHEM, THE NETHERLANDS, A DUTCH COMPANY.

Enventor : CORNELIS JCOBUS GROENENBOOM.

Application No. 669/MAS/989 filed September 7, 1989.

Divisional to Patent No. 166937 (112/MAS/86); Antidated to February 18, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims. (No drawing)

A fluidizable craking catalyst composition consisting of a mixture of (a) catalytically active articles of zeolitic crystalline aluminosilicate embedded in a known matrix material and (b) catalytically less active articles of barium titanium oxide embedded in a known matrix material where in the quantity of zeolitic crystalline aluminosilicate in the catalyst composition is in the range of 50 to 10 percent by weight and the amount of barium titanium oxide in the catalyst composition is in the range of 30 to 80 percent by weight.

(Com. —19 pages)

Cl. 98 I.

171031

Int. Cl. 1-24 J 2/00, F 03 G 7/02.

"SOLAR CELL AND MEHOD OF PRODUCINNG THE SAME".

Applicant : NUKEM GMBH. OF RODENBACHER CHAUSSEE 1, D-6450 HANAU (MAIN) 11 FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) DR. KARL-GERHARD HACKSTEIN
(2) DR. RUOLDF HEZEL.

Application No. 280/Cal'88 filed on April 05, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

25 Claims

A solar cell (19, 20, 30) such a thin-film solar cell of a semiconductive material such as silicon, in whose semiconductive substrate (1, 6, 12, 13) minority and majority charge carriers being separatable and so dischargeable by an electrical field, having a (first) semiconductive substrate surface upon which are arranged at intervals ohmic contacts (4, 10, 16) being interlinked with one another, and whereby a passivation layer (5, 11, 18) is arranged at least between said ohmic contacts, characterized in a second semiconductive substrate body surface disposed opposite the first semiconductive substrate body surface carrying the ohmic contact zones so that the majority charge carriers diffuse to the ohmic contact zones which collect said charge carriers, the electrical field separating the minority and majority charge carriers flowing in the vicinity of said second semiconductive substrate body surface, and that the ohmic contact (4, 10, 16) are arranged on the first zones (21, 23, 25) of the first semiconductive substrate surface, said surface being elevated in relation to existing second zones (22, 24, 26) lying between the ohmic contacts.

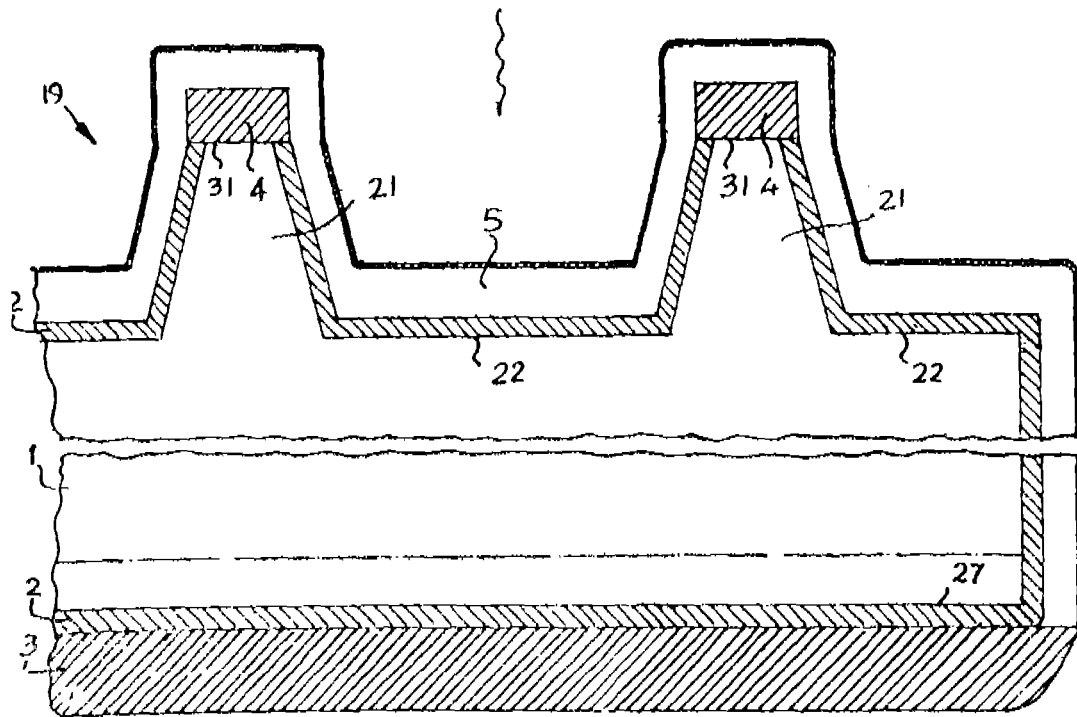


Fig. 1

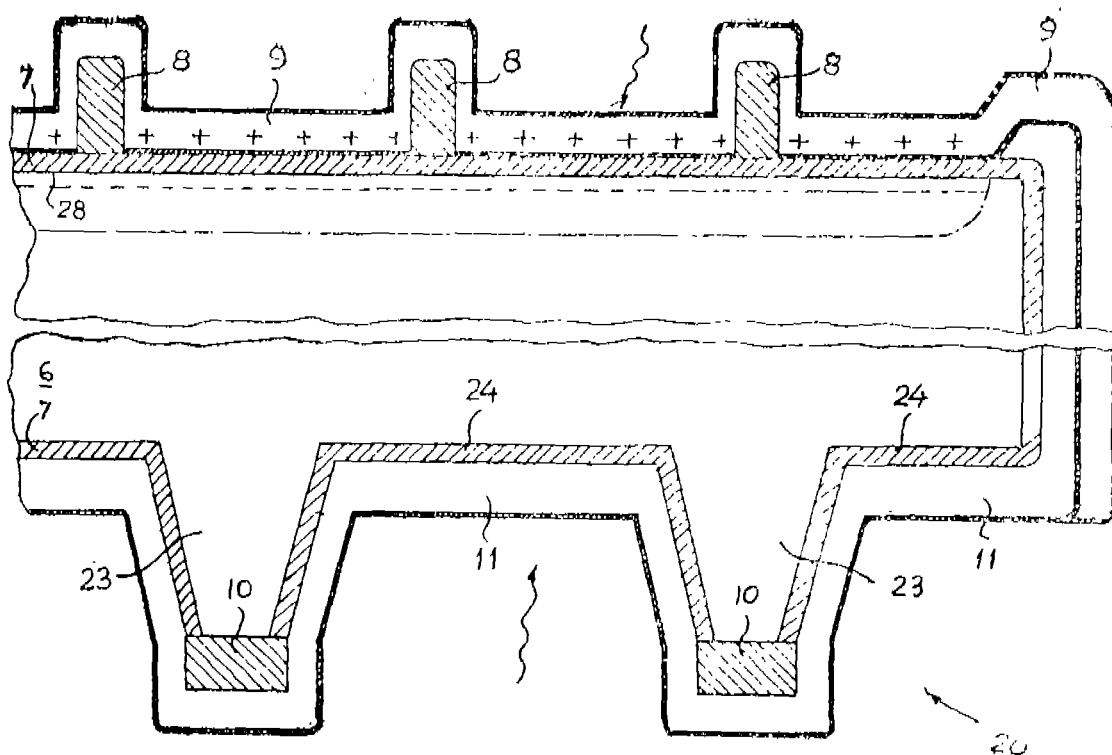


Fig. 2

(Compl. specn. 21 pages;

Drwgs. 2 sheets)

Cl. 158 C 12 D

171032.

Int. Cl. B 61 G 1/00, 3/00, 5/00.

"KNUCKLE FOR RAILWAY COUPLERS"

Applicant : MCONWAY & TORLEY CORPORATION,
OF A PENNSYLVANIA 109 48th STREET PITTSBURGH,
PENNSYLVANIA 15201, U. S. A.

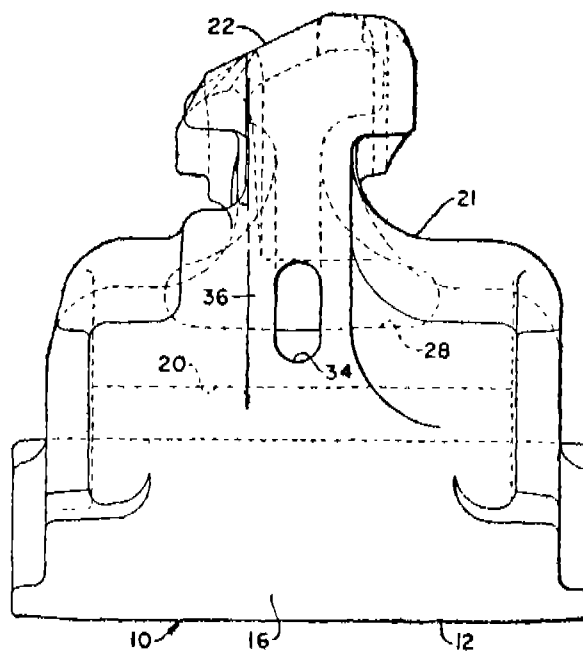
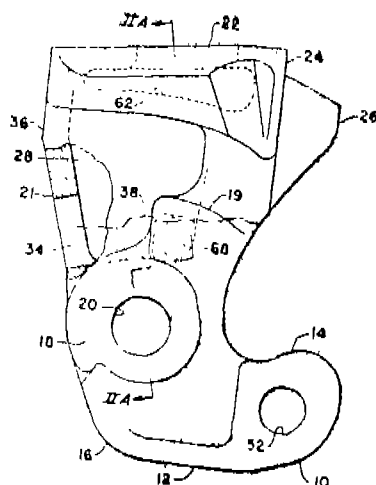
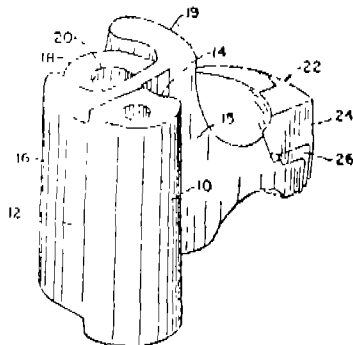
Inventor : (1) WILLIAM OWENS ELLIOT.

Application No. 399/Cal/88 filed on May 19, 1988.

Appropriate Office for Opposition Proceedings (Rule 4,
Patent Rules 1972) Patent Office Calcutta.

3 Claims

In a knuckle for a railway coupler provided with a pivot pin hole bounded on one side by an integral hollow throat portion 15 and wherein the pivot pin hole is isolated from the interior of the hollow cavity of the throat portion and provided with an intermediate annular supporting surface for the pivot pin the improvement in said knuckle wherein the kidney core 28 which forms the hollow cavity of the throat portion is provided with a lateral projection 34 which extends through the side wall of the hollow cavity of the throat portion, whereby an opening 34 is left in the aforesaid side wall when the kidney core is removed after casting to provide a point of weakness which will ensure that the knuckle will fracture at the throat portion when the knuckle is under server stress.



Compl. specn. 15 pages.

Digs. 1 sheet.

Cl. 128 A, 155 C 73 74.

171033.

Int. Cl. A 61 F 13/00, 13/16, 13/20.

"SANITARY NAPKIN WITH DISPOSAL MEANS"

Applicant : PERSONAL PRODUCTS COMPANY, OF
VAN LIEW AVENUE, MILLTOWN, NEW JERSEY 08850.
UNITED STATES OF AMERICA.

Inventor : WASSIM F. SEIDY.

Application No. 582/Cal/88 filed on July 12, 1988.

Appropriate Office for Opposition Proceedings (Rule 4,
Patent Rules 1972). Patent Office Calcutta.

15 Claims.

A sanitary napkin capable of being folded or rolled and self-sealed for disposal comprising.

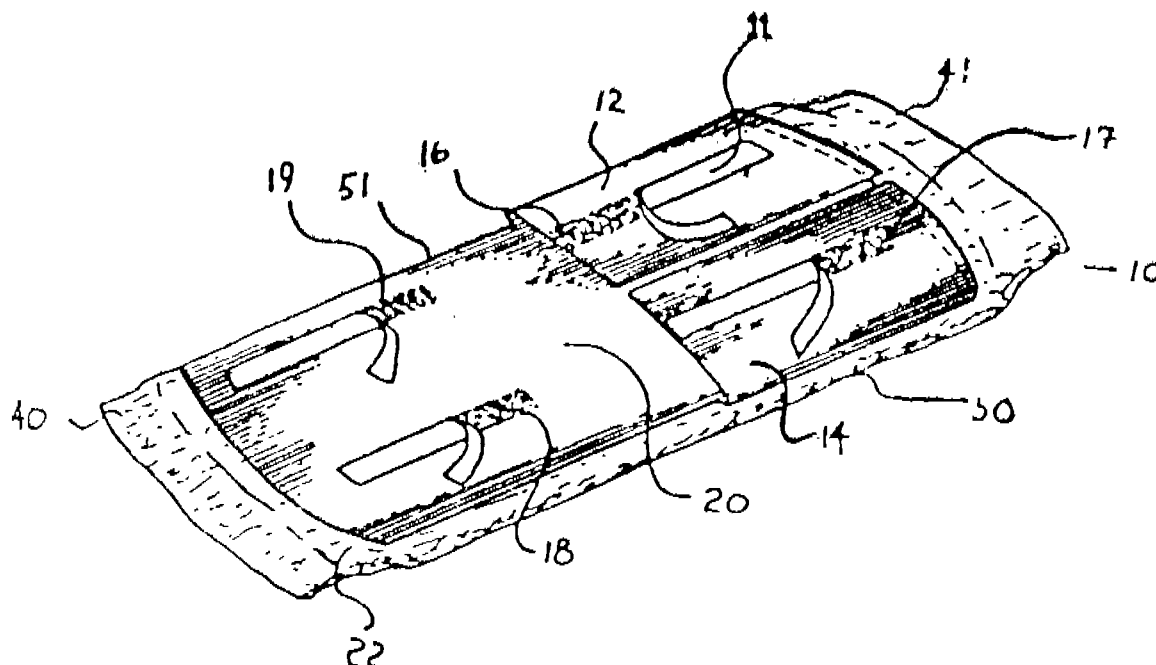
(a) an elongated central absorbent element having two ends, two longitudinal edges, an undergarment facing side and a body-facing side;

(b) a backing layer substantially covering said under-garment-facing side of said absorbent element;

(c) at least one flap extending transversely beyond the longitudinal edge of said backing layer at one end thereof, and

(d) first adhesive means disposed on said backing layer in a position to adhere said flap to said backing layer when said napkin is rolled or folded for disposal about a transverse

axis and said flap is wrapped around said rolled or folded napkin.



Compl. specn. 18 pages.

Drgs., 2 sheets.

Cl. 32 F 1

171034

Int. Cl. C 07 C 21/00.

"IMPROVED PROCESS FOR THE MANUFACTURE OF HALOETHYLENE COMPOUNDS SUCH AS 1, 1, 1-TRI-FLUORODICHLORO ETHYLENE AND OR 1, 1, 1, 2, 2-TETRAFLUOROCHILORO ETHYLENE".

Applicant : E. I. DU POINT DE NEMOROUS AND COMPANY & 171034, OF WILMINGTON DELAWARE, UNITED STATES OF AMERICA.

Inventors : (1) WILLIAM HENRY GUMRECHT.
(2) LEO ERNEST MANZER.

Application No. 863/Cal/88 filed on October 17, 1988.

Appropriate Office for Opposition Proceedings. (Rule 4, Patent Rule 1972), Patent Office Calcutta.

11 Claims.

A process for the preparation of a haloethylene compound of formula $C_2F_nHCl_m$ or mixtures thereof, wherein n is 3 or 4 and m is 1 or 2, with the proviso that when n is 4, m is 1 and n is 3, m is 2, by fluorination of a tetrahaloethylene of formula $C_2Cl_{4-x}F_x$ wherein x = 0 to 3, comprising contacting in the gaseous phase at temperature in the range of 225°C to 400°C said tetrahaloethylene with HF at a molar ratio of 1/1 to 1/20 and Cr_2O_3 as herein described

said contacting producing a product stream containing the said product haloethylene and, thereafter,

separating the end product from the product stream in a manner herein described.

Compl. specn. 15 pages.

Drgns. Nil

Cl. 98 I

171035.

Int. Cl. F 24 J 2/00.

"APPARATUS FOR PRODUCING POWER FROM SOLAR PONDS".

Applicant : SOLMAT SYSTEMS LTD. OF P. O. BOX 68, YAVNE 70650. ISRAEL.

Inventors 1) GAD ASSAF, 2) URIYEL FISHER

Application No. 1004/Cal/88 filed on December 05 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

4 Claims.

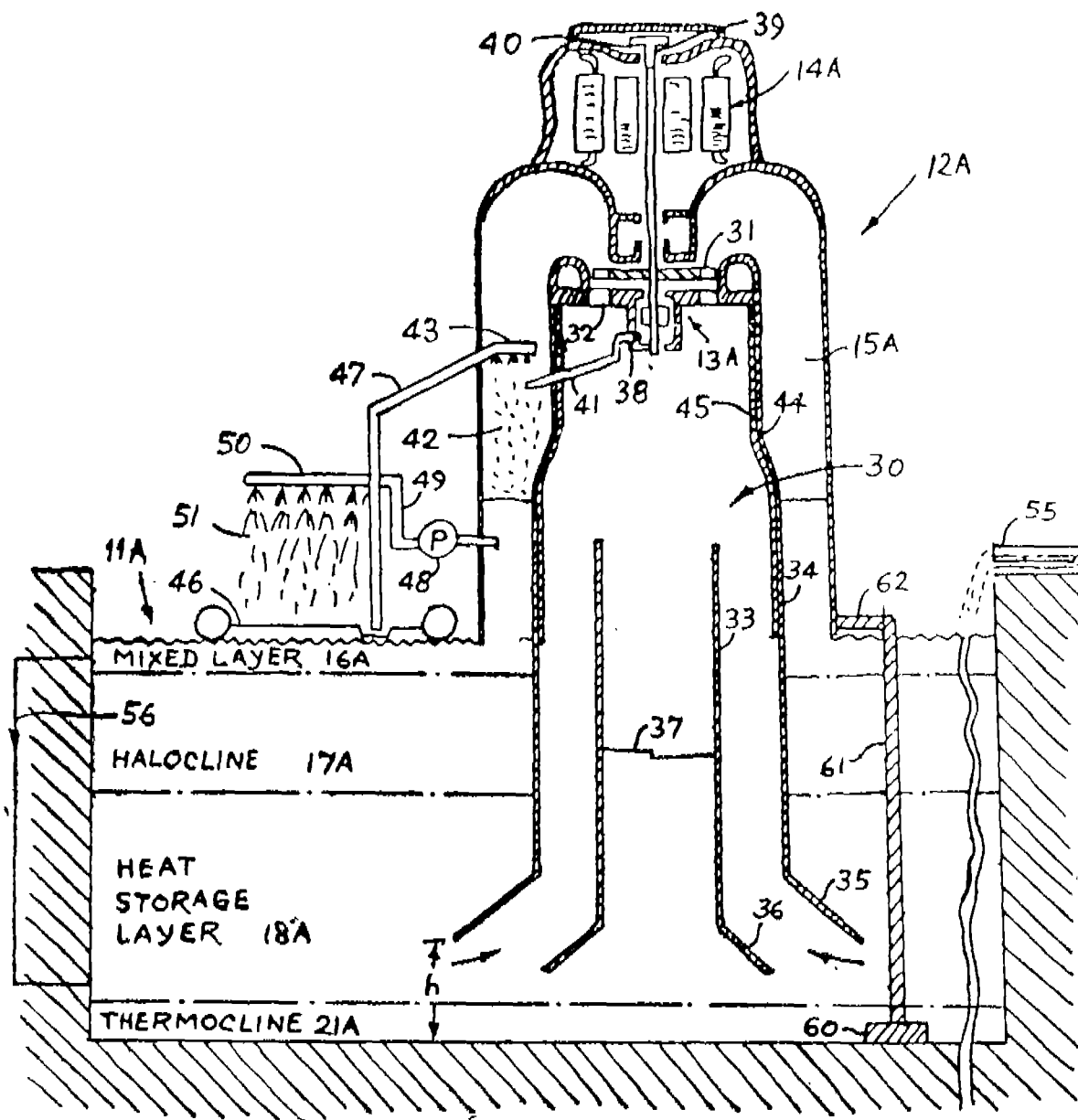
Apparatus for producing power from a salt water solar pond having an upper wind-mixed layer, a halocline and a lower convective heat storage layer for storing heat from solar radiation incident on the surface of said solar pond said apparatus comprising:

(a) a power plant having a heat engine responsive to heat from said storage layer for producing power and heat depleted steam, and having a condenser for receiving the heat depleted steam;

(b) a direct contact heat exchanger for cooling the heat depleted steam in the condenser with liquid droplets of cool water from a cool water source; and

(c) said direct contact heat exchanger being constructed and arranged so that the size of the droplets of cool water and the residence time of the droplets in the condenser is such that the majority of the liquid content of most of the drop-

lets absorb the heat transferred in the condenser while releasing a minimum amount of gases contained in the droplets.



Compl. specn. 11 pages.

Drgs. 3 sheets.

Cl. 80 J

171036.

8 Claims.

Int. Cl. E 03 B, 3/18.

"TUBEWELL STAINER OR FILTER"

Applicant &

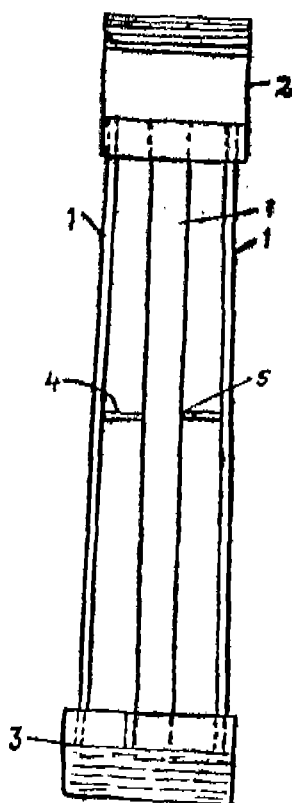
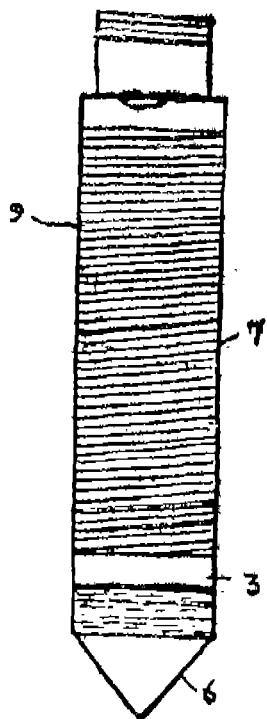
Inventor: BIREN DAS GUPTA, OF 19, SHYAMA PALLI, CALCUTTA 700 032, WEST BENGAL, INDIA.

Application No. 1020/Cal/88 filed on December 12, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

Tubewell strainer or filter comprising a vertically disposed cylindrical or tubular frame consisting of a plurality of iron flat or rods whose top ends are welded or rivetted to the inner wall of a top threaded iron socket and the bottom ends to the inner wall of a bottom threaded iron socket, one or more spaced rings placed and welded to the inner surface of the said tubular frame, a filtering means mounted around the said tubular frame and flange provided just above the said filtering means characterised by that the said filtering means consists of a vertically disposed tubular body of thermoplastic material whose inner surface is provided with a series of equally spaced ribs and one or more slits are circumferentially provided over the said tubular body wherein (a) the width of the slit is 0.20 ± 0.02 mm and the slit pitch is 1.5

mm and (b) the slits penetrate partly through the ribs, but wholly through the rest of the wall of the tubular body.



Compl. specn 8 pages.

Drgs. 1 sheet

Cl. 32E

171037

Int. Cl. C 08 L 23/06, 23/08

B 29 C 51/00, 51/30, 51/42.

3—137 GI/P2

"METHOD OF PRODUCING A THERMOPLASTIC COMPOSITION BASED ON SATURATED POLYESTER".

Applicant : ATOCHEM S. A. OF 4, COURTS MICHELET, LA DEFENSE 10-CEDEX 42, 92091 PARIS DEFENSE, FRANCE.

Inventors : (1)MARIUS HERT, (2) GREMAIN BERTIN.

Application No. 1036/Cal/88 filed on December 16, 1988.

Appropriate office for opposition proceedings (Rule 4, Patent Rule) Patent Office Calcutta.

6 Claims

Method of producing a thermoplastic composition based on a saturated polyester comprising mixing at least 60% by weight of a saturated polyester and not more than 40% by weight at least one polymeric reinforcement, characterized in that the polymeric reinforcement employed is an at least partially cross link polymeric composition comprising mixing :

(a) at least one copolymer comprising from 94 to 60% by weight of ethylene, from 5 to 25% by weight of at least one alkyl or cycloalkyl acrylate or methacrylate in which the alkyl or cycloalkyl group has from 2 to 10 carbon atoms, and from 1 to 15% by weight of at least one unsaturated epoxide,

(b) at least one copolymer comprising from 84 to 60% by weight of ethylene, from 15 to 34% of at least one alkyl or cycloalkyl or methacrylate in which the alkyl or cycloalkyl group has from 2 to 10 carbon atoms, and from 1 to 6% by weight of at least one pyridine of a unsaturated dicarboxylic acid, and

(c) at least one compound capable of accelerating the reaction between the epoxy group present in the copolymer (a) and the anhydride group present in the copolymer (b) and

(d) wherein the weight ratio of the copolymer (a) to the copolymer (b) is between 0.1 and 10.

Compl. specn. 16 pages.

Drgs. Nil.

Cl. 47 C

171038

Int. Cl. C 10 B. 25/16.

"A GASIFIER"

Applicant : TEXACO DEVELOPMENT CORPORATION OF 2000 WESTCHESTER AVENUE, WHITE PLAINS, NEW YORK 16050, UNITED STATES OF AMERICA.

Inventor : HAROLD JACK AYERS.

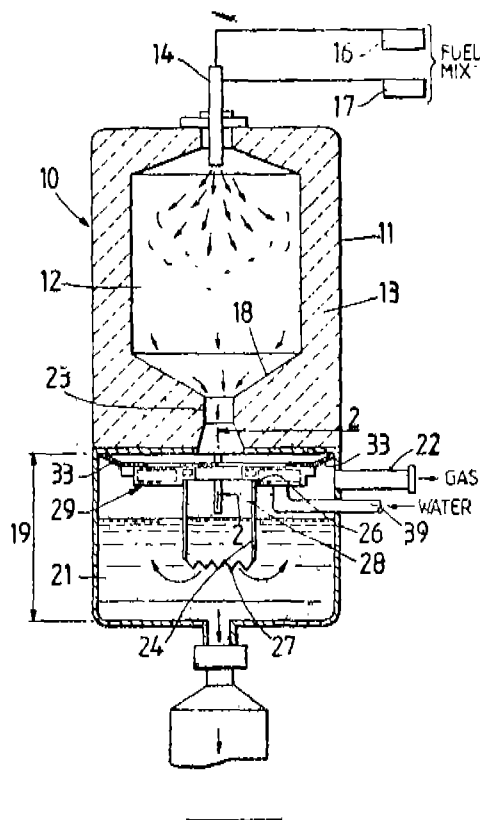
Application No. 54/Cal/89 filed on January 18, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

7 Claims

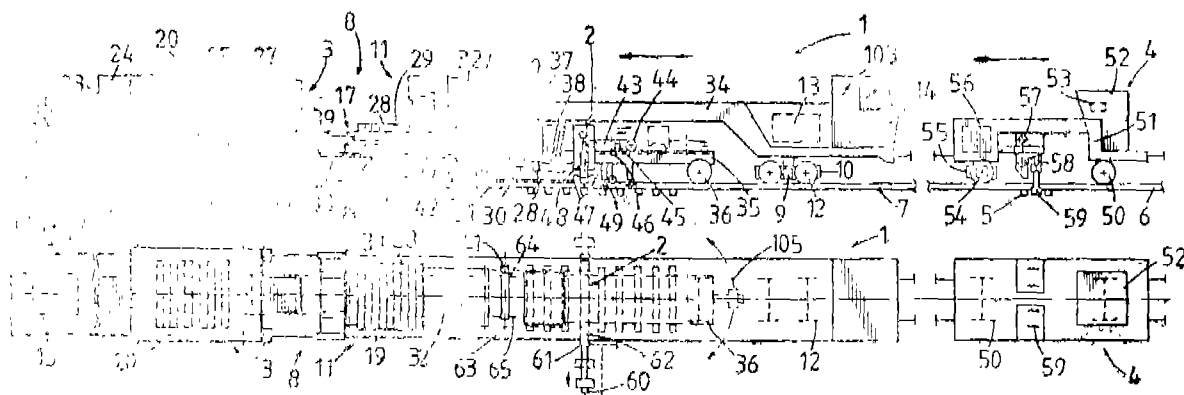
A gasifier (10) for producing a usable gas by partial combustion of a carbonaceous fuel a gasifier shell (11) having a combustion chamber (12), and a burner (14) of injecting said carbonaceous fuel therein, a cooling zone (19) in said shell beneath said combustion chamber holding a water bath (21), and a throat (23) communicating the combustion chamber (12) with said cooling zone (19), a dip tube (24) defining a flow path for guiding a hot effluent from said throat into said path, and a quench ring (29) supportably positioned above dip tube (24), characterized in that said quench ring (29) is comprised of :

a plurality of discrete manifold segments (31;32) cooperatively positioned to define an annular effluent passage, each discrete manifold segment (31) having an edge and being spaced laterally from an adjacent manifold segment (32) to define an interspatial void (34) therebetween each said manifold segment having an internal chamber 41, 42 communicated with a source of liquid coolant, and having a discharged port (49), aligned with said dip tube (24) to direct said coolant liquid thereagainst.



Compl specn. 12 pages.

Drgns. 2 sheets.



Compl. Specn. 25 pages.

Drgs. 1 sheet.

Cl. 32 F 3 c

171040

Int. Cl. C 07 C 31/00

A PROCESS FOR THE PREPARATION OF A MIXTURE COMPRISING 1, 4-BUTANEDIOL AND 2 ALKYL, 1-4 BUTANEDIOL, AND IF DESIRED, SEPARATING 1, 4-BUTANEDIOL AND/OR 2-ALKYL-1, 4-BUTANEDIOL FROM THE MIXTURE.

Cl. 157 D 6(c)

Int. Cl. : E 01B, 31/00

A TRAVELLING ON TRACK MACHINE ARRANGEMENT FOR PLACING AND REMOVING SLEEPERS.

Applicant : FANZ PLASSER BMAHNBAUMASCHINEN-INDUSTRIEGESELL - SCHAFT m. b. H., A - 1010 WIEN, JOHANNESGASSE 3, AUSTRIA.

Inventors : ING, JOSEF THEURER

Application No. 330/Cal/89 filed in 28th April, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

10 Claims

A travelling on track machine arrangement for placing and removing sleeper comprising control units for the lateral placement or removal of the sleepers of a railway track more particularly individual sleepers or groups of sleepers, by means of an old sleeper removing unit and a following (in the working direction) new sleeper placing unit and each comprise gripping means desired for vertical and longitudinal displacement under the power of drives and which are each mounted on separate machine frames supported on the track by axle driven on track undercarriages, characterized in that the two bridge like machine frames (11, 71) of the old sleeper removing unit and the new sleeper placing unit (2, 66) are each connected to their own sleeper loading wagon (3, 72) and form two machine units (8, 67) mounted on undercarriage (12, 15, 76)) and designed to travel independently of one another with their own axle drive (9, 68), their own operators seat (37, 69) and their own control unit (38, 70) and in that a separate sleeper delivery and taken away transport system (17, 74) and on the frame (16, 73) of the sleeper loading wagon (3, 72) of each machine unit (8, 87).

Applicant : E.I. DU PONT MEMOURS AND COMPANY OF WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventor : RICHARD EDWARD ERNST.

Application No. 395/Cal/89 filed on May 23, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

A process for the preparation of a mixture comprising 1, 4-butanediol and a 2-alkyl-1, 4-butanediol, and a desired separating 1, 4-butanediol and/or 2-alkyl-1, 4-butanediol from the mixture, the process comprising bringing together, at an initial alkaline pH, and at a temperature of between 100°C and 200°C and at pressure between 6895 to 55160 λ pa, a mixture of :

- (a) hydrogen,
- (b) a hydrogenation catalyst such as herein described
- (c) 2, 3-dihydrofuran, and
- (d) and unsubstituted aliphatic aldehyde, wherein the 2, 3-dihydrofuran : aldehyde ratio is in the range between 1:1 to 200:1; and recovering 1, 4-butanediol and/or 2 alkyl-1, 4, butanediol from the reaction mass in a manner known per se.

Compl. specn. 9 pages.

Drgs. Nil.

Ind. Cl. : 17 D [XIV(2)]

171041

Int. Cl. : C12P 5/02.

A PROCESS AND AN APPARATUS FOR PRODUCING METHANE AND CARBON DIOXIDE.

Applicant : SOCIETE GENERALE POUR LES TECHNIQUES NOUVELLES S.G.N., A FRENCH COMPANY, OF 1, RUE DES HERONS, MONTIGNY-LE-BRETON-NEUX, 78184 SAINT-QUENTIN-EN-YVELINES CEDEX, FRANCE.

Inventor : CLAUDE CAMILLERI.

Application for Patent No. 652/Del/85 filed on 8th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972), Patent Office Branch, New Delhi-110 005.

14 Claims

A process for producing methane and carbon dioxide by an anaerobic fermentation of fluid carbonaceous materials such as herein described by the action of bacteria such as herein described, contained in said fluid wherein the fermentation is carried out in two stages in two separate zones of the fermenter, the first stage (acid-producing) is carried out in an agitated medium by floating bacteria, the second stage (methane-producing) is carried out by downward trickling through a packing as herein described in which the bacteria gets fixed, and the entrained bacteria from this second stage are separated off and recycled.

Compl. Specn. 15 pages.

Drgs. 2 Sheets.

Ind. Cl. 132 D.

171042

Int. Cl. : B01J 4/00.

VERTICAL FLOW FLUID-SOLID APPARATUS.

Applicant : UOP INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE IN THE UNITED STATES OF AMERICA, WITH ITS PRINCIPAL OFFICE LOCATED AT 25 EAST ALGONQUIN ROAD, DES PLAINES, ILLINOIS, U.S.A.

Inventor : CLAUDE FRANK PEYROT.

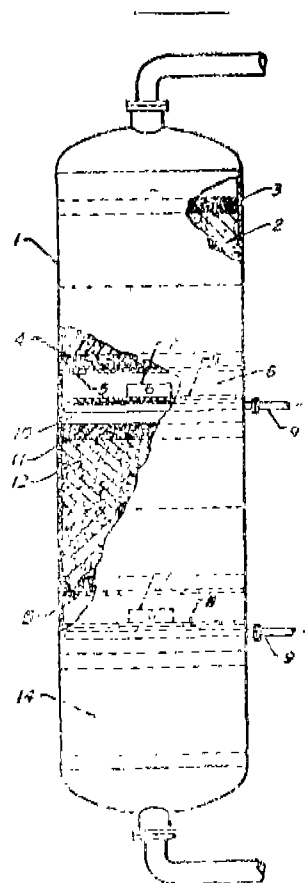
Application for Patent No. 431/Del/87 filed on 19 May 1987.

Appropriate office for opposition proceedings (Rule 4, Patent Rule, 1972), Patent Office Branch, New Delhi-110 005.

9 Claims

A vertical flow fluid-solid contacting apparatus with a contacting column having at least one fluid inlet and a fluid outlet at opposite ends, two or more vertically spaced discrete beds of catalyst particles, said apparatus comprising :

- (a) a flow barrier, for substantially preventing the vertical flow of fluid positioned intermediate any two adjacent beds, said flow barrier having a substantially imperforate outer area and at least one central opening for passing fluid between beds;
- (b) a fluid impingement compartment located on and at the centre of said barrier having sides containing at least two substantially identical inlet openings in communication with the upstream side of said barrier into the compartment, said sides and inlet openings being arranged such that the projection of all inlet axial centerlines lie in a common horizontal plane so that fluid entering the compartment through the inlet opening will converge at a centerpoint equidistant from all inlet openings, said inlet openings being sized to produce a fluid jet having a length at least equal to the distance between said inlet openings and the centerpoint and at least one fluid outlet communicating with the central opening of said barrier having an open area greater than the combined area of all inlet openings which is in communication with the downstream side of said barrier and provides an equally distributed flow to the area downstream of said barrier;
- (c) a fluid collector on the upstream side of said barrier for conveying an equal amount of fluid from the periphery of said barrier to each inlet opening;
- (d) a fluid distributor for redistributing fluid from the said central opening over the downstream particle bed.



Compl. Specn. 16 pages.

Drgs. 2 Sheets.

Ind. Cl. : 201 D.

171043

Int. Cl.⁴ : C12M 1/24.

A KIT FOR USE DETERMINING THE MICROBIOLOGICAL QUALITY OF WATER.

Applicant : THE CHIEF CONTROLLER OF RESEARCH AND DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI.

Inventors : KANNAR SHANKARA MANJA, MOHAN SINGH MAURYA & KOLA MOHAN RAO.

Application for Patent No. 595/Del/87 filed on 15 July 1987.

Appropriate office for opposition proceedings (Rule 4, Patent Rule, 1972), Patent Office Branch, New Delhi-110 005.

2 Claims

A kit for use for determining the microbiological quality of water comprising a sterilised bottle with a folded tissue paper atleast of an area of 80 cm² and dried at 50°C having a medium absorbed thereon, said medium consisting of 20 gms peptone, 1.5 gm dipotassium hydrogen phosphate, .75 gm ferric ammonium citrate, 1 gm sodium thio sulfate, 1 ml teepol and 50 ml water, said bottle being levelled to indicate 20 ml of water.

Compl. Specn. 5 pages.

Ind. Cl. : 138 A.

171044

Int. Cl.⁴ E21C 29/06 & 29/20.

TENSIONABLE DOWEL FOR REINFORCING WALLS AND/OR ROOFS IN EXCAVATIONS.

Applicant : DU PONT (AUSTRALIA) LTD., A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF NEW SOUTH WALES, OF 168 WALKER STREET, NORTH SYDNEY, NEW SOUTH WALES, 2060, AUSTRALIA.

Inventor : LEO JOHN HYDE.

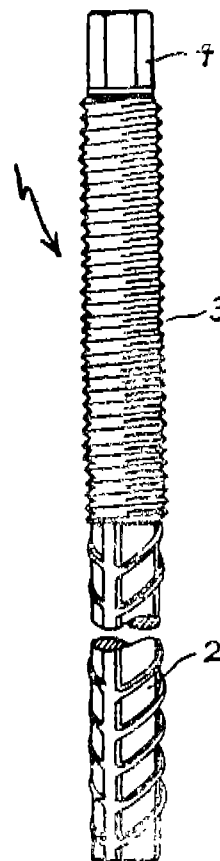
Application for Patent No. 662/Del/87 filed on 30 July 1987.

Convention date 30 Jul 1986/ PH7207/AUSTRALIA.

Appropriate office for opposition proceedings (Rule 4, Patent Rule, 1972), Patent Office Branch, New Delhi-110 005.

11 Claims

A tensionable down for reinforcing walls and/or roofs in excavations which dowel comprises an elongate member (1) having a first end (2) to bond to an anchoring resin, of the kind described herein, and a threaded portion (3) at or adjacent the other end for engaging a nut of corresponding thread, wherein said thread (3) has a predetermined construction whereby the hold between the threaded portion and the nut fails by shearing of engaging thread at a preselected load to provide an indication that a tension equal to or greater than a preselected value is present in the roof or wall and wherein said elongate member (1) of made of chopped fibre reinforced engineering thermoplastic material.



Compl. Specn. 12 pages.

Drgs. 4 Sheets.

Ind. Cl. : 48 A

171045

Int. Cl.⁴ : H01B 11/22.

OPTICAL CABLES.

Applicant : TELEPHONE CABLES LIMITED, A BRITISH COMPANY, OF CHEQUERS LANE, DAGENHAM, ESSEX RM9 6QA, ENGLAND.

Inventor : ALAN JAMES PEACOCK.

Application for Patent No. 671/Del/87 filed on 31 Jul 1987.

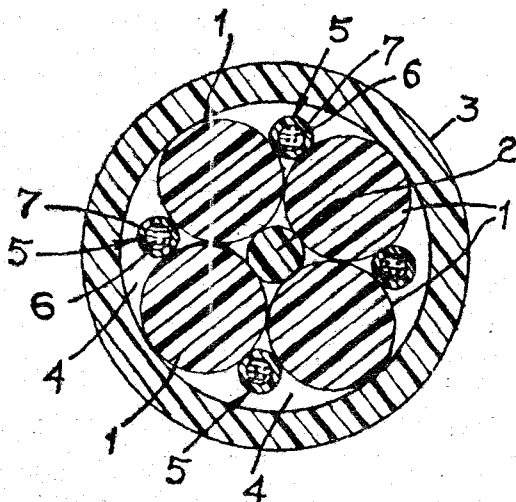
Convention date 07 Aug 1986/8619038/U.K.

Appropriate office for opposition proceedings (Rule 4, Patent Rule, 1972), Patent Office Branch, New Delhi-110 005.

15 Claims

An optical cable comprising a cylindrical outer sheath (3) at least three longitudinally extending strength members (1) of circular cross-section accommodated within and forming interstitial spaces (4) within said outer sheath (3), said members (1) bearing against only two other strength members (1) and inner surface of said outer sheath (3), and at least one fibre package (5) having a plurality of optical fibres, said package (5) having a radius smaller than that of said

strength members (1) and is located in said interstitial space (4) and spaced away from inner surface of said outer sheath (3).



Compl. Specn. 9 pages.

Drgs. 1 Sheet.

Ind. Cl. 39-N (III), 32-C [IX (1)].

171046

Int. Cl.: C 01 D 15/00.

A PROCESS FOR THE PREPARATION OF N-BUTYL LITHIUM.

Applicant: SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH, 1, UNIVERSITY ROAD, DELHI-110 007, INDIA, AN INDIAN INSTITUTE, REGISTERED UNDER THE SOCIETIES REGISTRATION ACT.

Inventors: (1) GURJARI LAL BHALLA, (2) RAKESH CHANDRA SOOD, (3) VIJAY KUMAR SHARMA.

Application for Patent No. 708/Del/87 filed on 14th August 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A process for the preparation of n-butyl lithium which comprises in preparing a dispersion of lithium and sodium metals as herein described, adding said dispersion to a closed heated vessel containing a solvent to provide a reaction medium, cooling said reaction medium to a temperature of 00°C to 10°C adding dropwise a solution of butyl bromide over a period of upto 3 hours and then subjecting said reaction medium to the step of heating to obtain n-butyl lithium in the form of a superant liquid, characterised in the sodium present in the reaction, medium is in the amount of 0.75 to 2% by weight of lithium.

Compl. Specn. 8 pages

Drg. Nil

Ind. Cl.: 32-F.2(c) & 201-D

171047

[GROUPS—IX(1) & II(4)]

Int. Cl.: C 02 F 3/304.

A BIOPROCESS USING IMMOBILISED BACTERIAL CELLS FOR THE TREATMENT OF UREA EFFLUENT TO OBTAIN EFFLUENT FREE FROM UREA.

Applicant: SOUTHERN PETROCHEMICAL INDUSTRIES CORPORATION LIMITED, 97, MOUNT ROAD, MADRAS-600 032, TAMIL NADU, INDIA, AN INDIAN COMPANY.

Inventors: (1) GURUSWAMY PRABHAKARAN (2) GANGADARAN ELAMVALUTHI.

Application No. 126/Mas/88 filed February 29, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims (No drawing)

A bioprocess using immobilised bacterial cells for the treatment of urea effluent to obtain effluent free from urea comprising the steps of packing the bed of a reactor with mixed bacteria immobilised on a carrier material, the members of the mixed bacteria being selected from the genera micrococcus, cornye-bacterium, bacillus, proteus and sarcina, and the carrier material containing, singly or in combination, silica gel, bentonite, kaolin, masonry bricks coal, activated carbon; introducing the said urea effluent into the reactor through an inlet at its bottom together with a nutrient containing in solution, at least one known carbon source and a known organic nitrogen source for sustaining the catalytic activity of the mixed bacteria; maintaining the residence time of the reaction in the reactor between 20 minutes to 180 minutes at a pH of 8 to 11.2 and temperature of 20°C to 40°C, the treated effluent being collected at the outlet of the said reactor.

(Com.—8 pages)

Ind. Class 161-C (Group XXVII(3))

171048

Int. Cl.: E 01 H 5/09

TOOL INTENDED TO BE ROTATABLY MOUNTED IN A CUTTER.

Applicant: SANDVIK AKTIEBOLAG, A SWEDISH COMPANY OF S-811 81 SANDVIKEN, SWEIEN.

Inventors: (1) ERIK ROLAND NILSSON
(2) PER-GORAN SJODIN
(3) BO GOSTA TIBACK

Application No. 175/Mas/88 filed March 17, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

Tool intended to be rotatably mounted in a cutter, said tool (14) comprises a longitudinal axis (16) capable of forming an angle (α) in a range of 20° to 90°, a hard material tip (15; 15'; 15'') capable of contacting the road surface (17) in an operative position of the tool (14) cylindrical or slightly conical portion (20; 20'; 20'') being located near to the hard material tip (15; 15'; 15'') of the tool (14) and the free end of the hard material tip (15; 15'; 15'') has a smoothly survey shape-defining surface (21; 21'; 21'') connected to the cylindrical or slightly conical portion (20; 20'; 20'').

(Com. 12 pages;

Drgs. 4 sheets)

Cl.: 32-D—[GROUP—IX(1)]

171049

Int. Cl.: C 07 F 9/02.

A PROCESS FOR PRODUCING PURIFIED TERTIARY ORGANOPHOSPHITE.

Applicant: UNION CARBIDE CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF NEW YORK, LOCATED AT OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT 06817, UNITED STATES OF AMERICA.

Inventors: (1) JOHN MICHAEL MAHER, (3) ERNST (nmn) BILLIG, (3) DAVID ROBERT BRYANT.

Application No. 203/Mas/ 88 filed on March 30, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

15 Claims

A process for producing purified tertiary organophosphite comprising the steps of treating a mixture of secondary organophosphites and tertiary organophosphites selected from triphenylphosphite, diorganophosphites, bisorganophosphites, organopolyposphites and monoorganophosphites in a known organic solvent with at least 0.5 moles of water permole of secondary organophosphite and at least 0.5 mole of a Lewis base per mole of secondary organophosphite to selectively convert the secondary organophosphite to primary organophosphite salt and separating and recovering the tertiary organophosphites from the salt in a known manner wherein when less than 1 : 1 mole ratio of Lewis base to secondary organophosphites is used, the mole ratio of added water to Lewis base used is less or equal to 1 : 1.

Compl. Specn. 77 pages.

Drgs. 15 sheets.

CL : 32-E—[GROUP—IX(1)]

171050

Int. Cl.⁴ : C 08 F 255/00

PROCESS FOR PREPARING GRAFT-MODIFIED POLYETHYLENE HAVING A DENSITY LOWER THAN 940 kg/m³.

Applicant : STAMICARBON B V OF MIJNWEG 1, 6167 AC GELEEN, THE NETHERLANDS, A NETHERLANDS COMPANY.

Inventor : HUBERTUS JOHANNES VROOMANS.

Application No. 227/Mas/88 filed on April 7, 1988.

Appropriate Office for Opposition Proceedings(Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

Process for preparing graft-modified polyethylene having a density lower than 940 kg/m³ comprising converting the polyethylene by grafting one or more carboxyl group containing compounds such as herein described in an amount of 0.2 to 20% by weight based on the weight of polyethylene and one or more vinylaromatic compounds such as herein described with a molar ratio of the vinylaromatic compounds to the carboxyl group containing compounds of 5:1 to 1:5, at a temperature ranging from 110°C to 200°C under the influence of shearing forces produced by means of a kneader or an extruder in the presence of a solvent of polyethylene in a weight ratio of 5:1 to 1:20 based on the total weight of carboxyl group containing compounds and vinylaromatic containing compounds and/or a radical initiator such as herein described in an amount of 0.01 to 0.05% by weight, based on the weight of polyethylene to obtain graft modified polyethylene having a density lower than 940 kg/m³.

Compl. Specn. 34 pages.

Drgs. 1 sheet.

kCl : 32-F.3(d)—[GROUP—IX(1)]

171051

Int. Cl.⁴ : C 07 C 49/88

A PROCESS FOR PREPARING DIKETENE HAVING REDUCED KETENE TRIMER CONTENT FROM CRUDE DIKETENE.

Applicant : LONZA LTD, GAMPEL/VALAIS, SWITZERLAND, A SWISS COMPANY.

Inventors : (1) RENZO BERGAMIN (2) WILHELM QUITTMANN.

Application No. 243/Mas/88 filed on April 18, 1988.

Appropriate Office for Opposition Proceedings(Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 Claims

A process for preparing diketene having reduced ketene trimer content from crude diketene, comprising the steps of mixing crude diketene with a compound of the general formula



in which R=H, an aliphatic hydrocarbon radical with 1 to 18 C-atoms, or an aromatic hydrocarbon radical, X=oxygen, sulphur, or a carboxyl group and n=1 or 2; maintaining the resulting mixture at a temperature of 50 to 130°C and removing diketene by distillation.

Compl. Specn. 9 pages.

Drgs. 1 sheet.

CL : 129 G [XXXV]

171052

Int. Cl.⁴ : B 23 Q 3/12

A TOOL ASSEMBLY.

Applicant : SANDVIK AB, OF S811 81 SANDVIKEN, SWEDEN, A SWEDISH COMPANY.

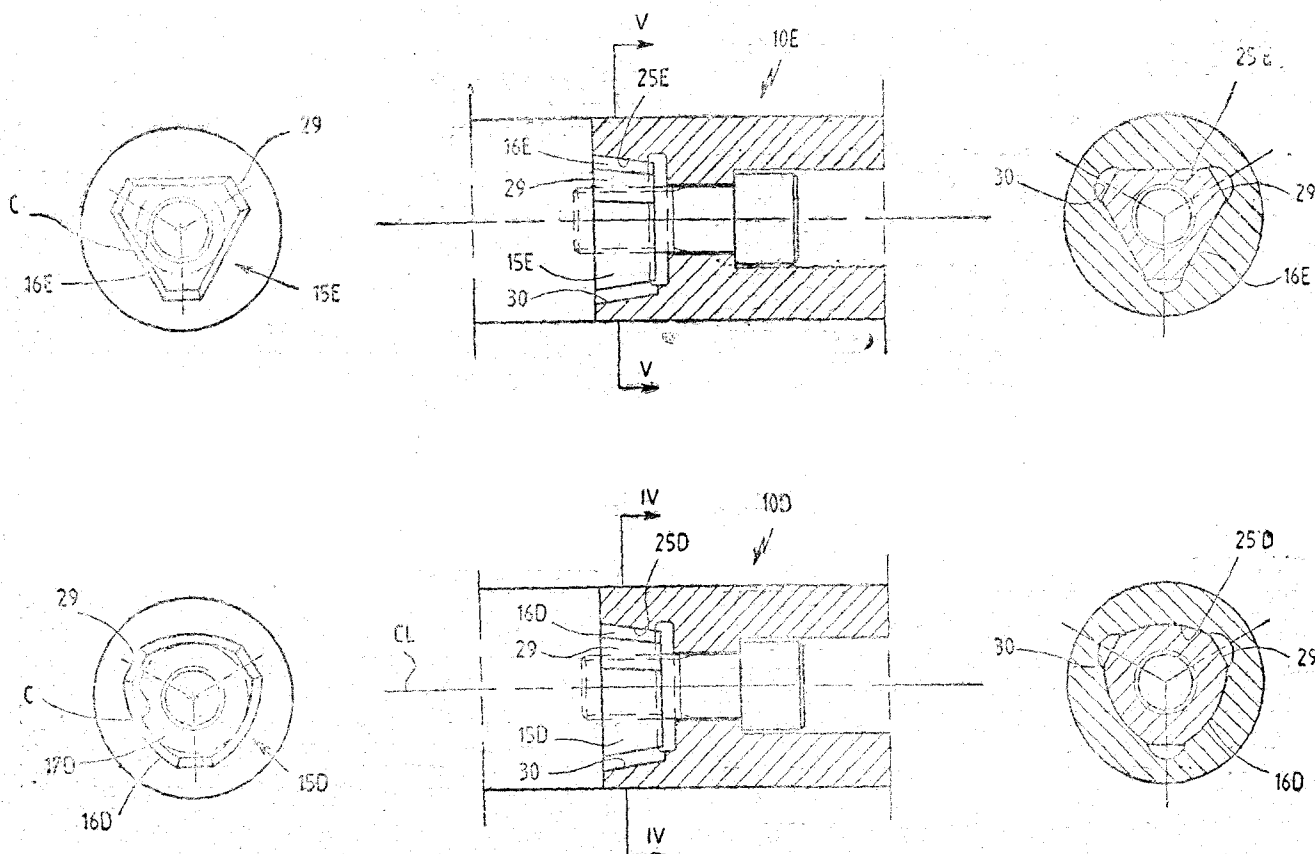
Inventors : KEN GOTE ESKIL ANDERSSON, SVEN ESKIL OLOF ENGSTRAND, LARS GUNNAR ASBERG.

Application No. 244/Mas/88 filed on 18th April 1988.

Appropriate Office for Opposition Proceedings(Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

A tool assembly comprising a tool or an adapter for a tool as a first part (12) and a holder as a second part (11), said first part (12) having a truncated conical projection (15A-15G) having an envelope surface (16A-16G) and a first support surface (14) facing the said second part (11), said second part having a conical recess (25A-25G) in order to receive said projection and a second support surface (26) for abutment against said first support surface, said assembly (10A-10G) having means (19; 19'; 19"; 19''') for relative clamping of said first part against said second part and a center line (CL), the said projection (15A-15G) and the said seat (25A-25G) have cooperating surfaces (16A-16G; 25' A-25' G) which are non-circular in cross-section, and the projection or the recess is capable of expanding.



Compl. Specn. 15 pages.

Drgs. 7 sheets.

Cl.: 188—[GROUP—XXXIII(9)]

171053

Int. Cl.⁴: C 03 C 17/245

A PROCESS FOR PRODUCING A REAR SURFACE BLACK CHROME COATED DIELECTRIC SUBSTRATE HAVING IMPROVED OPTICAL AND DURABILITY PROPERTIES.

Applicant: INDIAN SPACE RESEARCH ORGANISATION, DEPARTMENT OF SPACE, CAUVERY BHAVAN, K. G. ROAD, BANGALORE-560 009, AN INDIAN GOVERNMENT ORGANISATION.

Inventors: (1) MAHADEVA SARMA VISWANATHAN, (2) CHANNAMALLAPPA LINGARRAJU NGENDRA, (3) THUTUPALLI GOPALA KRISHNA MURTY.

Application No. 280/Mas/88 filed on May 2, 1988.

Appropriate Office for Opposition Proceedings(Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims (No. drawing)

A process for producing a rear surface black chrome coated dielectric substrate having improved optical and durability properties comprising the steps of (a) cleaning the substrate in a conventional manner (b) depositing in a conventional manner a thin layer of chromium oxide having a thickness in the range of 200 to 300 Å° on the rear surface of the substrate optionally predeposited with a thin layer of chromium with a thickness of about 50 Å°, (C) depositing on the said chromium oxide layer a thin layer of chromium having a thickness in the range of 500 Å° to 800 Å° in a conventional manner, (d) uniformly pressing an adhesive tape having a peel strength of ≥ 500 gms/cm² over the said chromium layer obtained in step (c) and stripping the said adhesive tape to remove the loosely adhered dust or metal particles therefrom, (e) cleaning the coated substrate under ultrasonic agitation and subsequently drying the substrate in a conventional manner and (f) further depositing a layer of chromium on the coated side of the substrate having a thickness of about 500 Å° in a conventional manner.

Compl. Specn 16 pages.

Cl.: 94G—[GROUP—XXXIII(4)]

171054

129-G—[GROUP—XXXV]

178—[GROUP—XXV(3)]

Int. Cl.⁴: B 23 C 3/16, B 23 B 27/14

A METHOD OF MANUFACTURE OF FINISHED ROCK BIT LEGS FROM UNGROUND ROCK BIT LEGS.

Applicant: WIDIA (INDIA) LIMITED, 8/9TH MILE, TUMKUR ROAD, BANGALORE-560 073, KARNATAKA, INDIA, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

Inventors: (1) SESHAGIRI RAO RAVISHANKAR, (2) AMITAVA SHYAMCHOUDHURY, (3) RANGARAJAN SRINIVASAN.

Application and Provision Specification No. 353/Mas/88 filed on May 25, 1988.

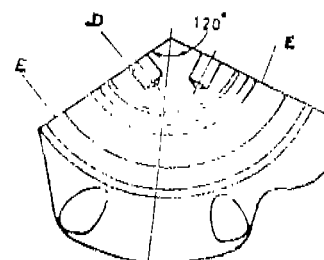
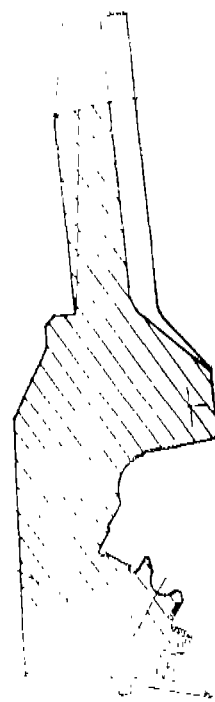
Complete Specification left August 25, 1989.

Appropriate Office for Opposition Proceedings(Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A method of manufacture of finished rock bit legs from unground rock bit legs comprising the steps of milling the V 120° surfaces thereon; drilling two dowel holes on the said

surfaces; clamping the said milled rock bit legs; and grinding the same using the said V 120° surfaces and the two dowel holes on the said surfaces as reference.



Prov. Specn. 5 pages.

Grgs. 3 sheets.

Compl. Specn. 5 pages.

Drgs. Nil.

Cl.: 95-H & 150-C&G—[GROUPS—XLIII(2) & XLVIII(1)]

171055

Int. Cl.⁴: F 16 L 21/00

A SELF-CONTAINED FASTENING DEVICE TO BE LOCATED BETWEEN MACHINE ELEMENTS.

Applicant & Inventor: HARALD KOLVEREID, OF SKELLEFTEAVEIEN 22, N-8610 GRUBHAL, NORWAY, A NORWEGIAN CITIZEN.

Application No. 354/Mas/88 filed on May 25, 1988.

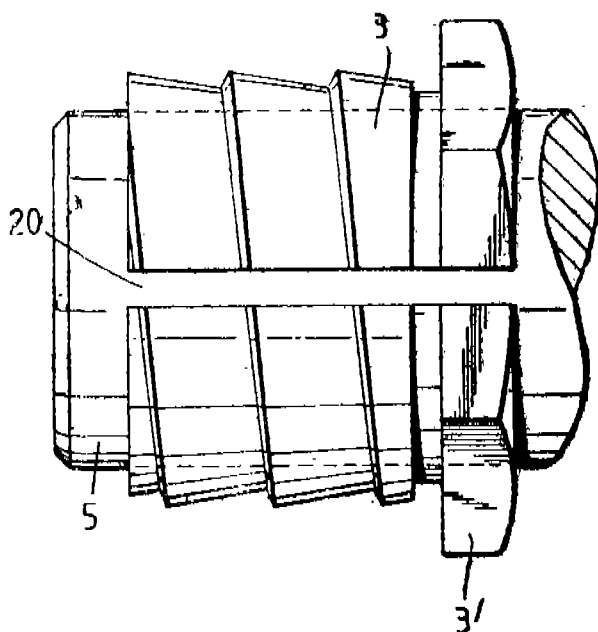
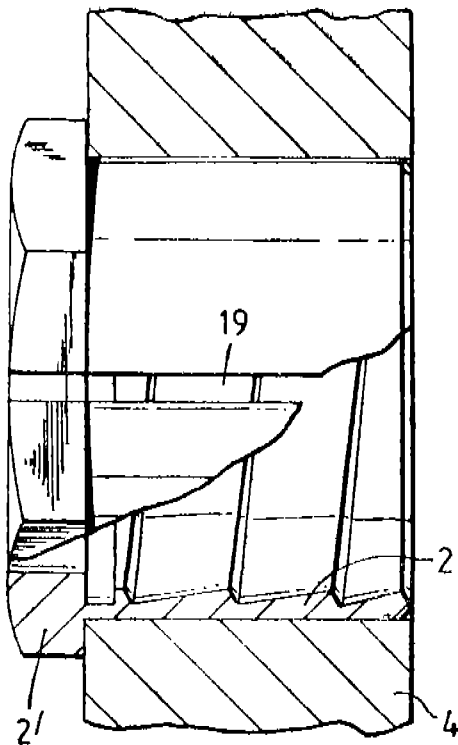
Appropriate Office for Opposition Proceedings(Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A self-contained fastening device to be located between machine elements, comprising

an inner clamping sleeve member (3; 29, 13; 16) having an external cylindrical thread with a sawtooth profile of a first relatively small flank angle on one side and a substantially larger flank angle on the other side, and an outer clamping sleeve member (2; 8, 14; 18) having an internal thread matching the external thread of the inner clamping sleeve

member, one sleeve member coaxially encompassing the other, said inner and outer clamping sleeve members (3, 2; 29, 28) being mutually rotatable to provide through mutual rotation thereof, radial expansion of said outer sleeve member (2; 28) exerting a pressure against an outer machine element (4) surrounding the outer clamping sleeve member and radial contraction of said inner sleeve member exerting pressure on an inner machine element (5) surrounded by the inner clamping sleeve member thereby interlocking said machine elements radially in two ways and axially by frictional forces, a stop means provided on one of said sleeve members to prevent mutual axial motion between said members, and each said sleeve member having at least one axially extending through slot (20, 19; 31, 30).



Ind. Class : 195-D—[GROUP—XXIX(3)]

171056

Int. Cl.⁴ : F 16 K 11/00; 21/00.

A DIRECTIONAL FLOW CONTROL VALVE FOR CONTROLLING THE FLOW OF LIQUID TO A HYDRAULIC CYLINDER.

Applicant : TEMPLETON, KENLY & CO. INC., AN ILLINOIS CORPORATION OF 2525 GARDNER ROAD, BROADVIEW, ILLINOIS 60153, U.S.A.

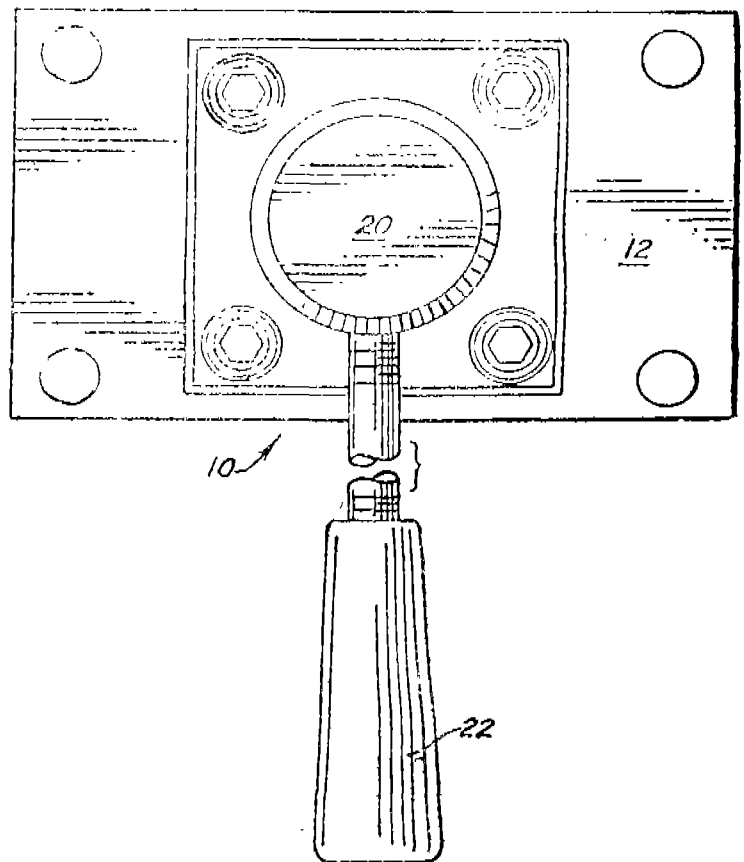
Inventor : ARNOLD FRANK LECKER.

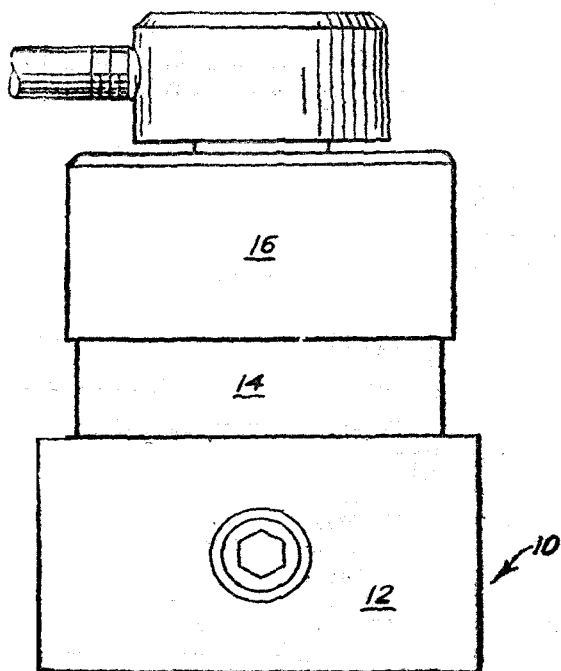
Application No. 356/Mas/88 filed on May 25, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972, Patent Office, Madras Branch.

8 Claims

A directional flow control valve for controlling the flow of liquid to a hydraulic cylinder or the like comprising a valve body and a valve rotor having a plurality of liquid passageways disposed therein; said valve rotor being adjustably positionable relative to said valve body whereby different liquid passageways are formed between said valve body and said valve rotor when said rotor is disposed in different positions of adjustment relative to said valve body; means for effecting fluid-tight connections between the passageways of said valve body and said valve rotor in said different positions of adjustment; aspirator means in said valve communicating with at least two of said fluid passageways in one position of valve rotor adjustment whereby liquid flow through one of said passageways into said aspirator means generates a partial vacuum adequate to induce flow of liquid into said aspirator means from a second of said fluid passageways communicating with said aspirator means.





Compl. Specn. 29 pages.

Drgs. 15 sheets.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT,
1970

The claim made by TEMPLETON, KENLY & CO. INC., in connection with Patent Application No. 356/MAS/88 (171056) has been allowed.

PATENT SEALED ON 5th JUNE, 1992

167668* 168325 168382 168669* 168752 168776* 168811*
168815 168830 168864* 168875 168879 D* 168903* 168917
168923 168926 168934 168937 168964 168970*

Cal—13, Del—03, Mas—02 & Bom—02.

*Patent shall be deemed to be endorsed with the words "LICENCE OF RIGHT" under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D— Drug Patents.

RENEWAL FEES PAID

150739 150922 151140 151394 151420 151785 152607 152657
152680 152705 153268 153320 153338 153350 154144 154213
154216 154472 155413 155803 156145 156185 156393 156557
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159133 159322 159789 159790 159983 161061 161383 161757
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165229 165584 165698 167101 167929 167945 167950 168218
168481 168513 168621 168731 168808 168831 169072

CESSATION OF PATENTS

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147493 147515 147523 147549 147550 147553 147559 157570
147572 147578 147581 147585 147591 147592 147596 147600
147603 147611 147615 147617 147622 147665 147675 147688
147692 147704 147712 147744 147745 147773 147788 147789
147795 147831 147832 147848 147849 147888 147890 147903

SUBJECT-MATTER INDEX AS PER INTERNATIONAL CLASSIFICATION
SYSTEM OF THE COMPLETE SPECIFICATION ACCEPTED & NOTIFIED
DURING THE YEAR—1990

Date of specification in 2nd column denotes; Date of complete specification/Anti-date/post-date. 4 Classes of applicants Code in the 7th Column are the abridged forms ; i.e. I—Indian Individual; IC—Indian Company; F—Foreign Individual; FC—Foreign Company.

SECTION : D : TEXTILES ; PAPAER

No case was accepted within the following classes.

D	01	C : Chemical treatment of natural filamentary or fibrous material to obtain filaments or fibres for spinning; Carbonising rags to recover animal fibres.
D	02	H : Warping, beaming, or leasing.
D	02	J : Finishing or dressing of filaments, yarns, threads, cords, ropes or the like.
D	04	C : Braiding or manufacture of lace, including bobbin-net or carbonetised lace, Braiding machines, Braid, lace.
D	04	D : Trimmings, Ribbons, tapes or bands, not otherwise provided for.
D	04	G : Making nets by knotting of filamentary material; Making knotted carpets or tapestries; knotting not otherwise provided for.
D	05	C : Embroidering; Tufting.
D	06	G : Mechanical or pressure cleaning of carpets, rugs, sacks, hides, or other skin or textile articles, or fabrics, Turning inside-out flexible tubular or other hollow articles.
D	06	H : Marking, inspecting, seaming, or severing textile materials.
D	06	J : Pleating, kitling or goffering textile fabrics or wearing apparel.

D	06	L	: Bleaching, e.g. optical bleaching, dry cleaning, or washing fibres, threads, yarns, fabrics, feathers, or made-up fibrous goods; Bleaching leather or furs.
D	06	N	: Wall floor, or like covering materials, e.g. linolium, oilcloth, artificial leather, roofing felt, consisting of a fibrous web coated with a layer of micromolecular material; Flexible sheet material not otherwise provided for.
D	06	Q	: Decorating textiles.
D	21	B	: Fibrous raw materials or their mechanical treatment.
D	21	G	: Calenders; Accessories for paper-making machines.
D	21	J	: Fibreboard; Manufacture of article from cellulosic fibrous suspensions or from papier-mache.

SECTION—D : TEXTILES PAPER

D 01 : E NATURAL OR ARTIFICIAL THREADS OR FIBRES; SPINNING

D 01 B : Mechanical treatment of natural fibrous or filamentary material to obtain fibres or filaments. e.g. for spinning.

Specn. No.	Date of Specn.	Applicant for patent	Title of the Invention	Date of notification	Int. Class	Indian Classification	Applicant Code
1	2	3	4	5	6	7	8
165743	31-12-85	GRUZINSKY NAUCHNO- ISSLEDOVATELSKY INSTITUT TEXTILNOI PROMYSHLENNOSTI	Method for manufacturing natural silk fabrics.	06-01-90	7/00	34—A	FC.
167162	22-07-86	BRITANIA ENGINEERING PRODUCTS & SERVICES LIMITED.	A pine-apple leaf fibre extraction machine	15-09-90	1/00	172—C ₃	IC.
		D 01 D :	Mechanical methods or apparatus in the manufacture of artificial filaments, threads, fibres, bristles or ribbons.				
165888	20-04-87	E.I.DU PONT DE NEMOURS AND COMPANY	Continuous filament polyester yarn having improved properties	03-02-90	1/00, 5/00, 7/00	34—C,D	FC.
166291	05-09-85	NORDDEUTSCHE FASER- WERKE GMBH.	A method for producing a flat polymeric yarn.	07-04-90	5/092	172—B	FC.
167316	30-04-86	MASCHINENFABRIK RIETER AG.	Method and device for spinning a yarn in accordance with the open end-direction spinning principle.	06-10-90	5/16	172—B & D8 GROUP- XX	FC.
		D 01 F :	Chemical features in manufacture of artificial filaments, threads, fibres, bristles or ribbons.				
166332	10-09-85	STAMICARBON B.V. (LICENSING SUBSIDIARY OF DSM)	Process for the continuous preparation of homogeneous solutions of high molecular weight polymers.	14-04-90	6/24	132-D & 40F	FC.
166373	30-05-86	E.I.DU PONT DE NEMOURS AND COMPANY	A method for forming articles such as acrylic polymers, fibres and fabrics.	21-04-90	6/28	155—F, 155—D, 32—F, 172—F.	FC.
166538	17-02-87	MANVILLE CORPORATION	Process for preparing inorganic fibre having superior solubility in saline solutions.	26-05-90	19/08	172—B	FC.
096	20-03-86	AKZO N.V.	An improved process for the manufacture of a multifilament yarn.	01-09-90	6/62,	172-B-XX	FC.

1	2	3	4	5	6	7	8
167804	05-08-86	STAMICARBON B.V.	PROCESS for the preparation of polyvinyl alcohol articles of high strength and modulus.	22-12-80	6/14	32—F ₃ — GROUP- IX(I)	FC.
167843	05-08-86	STAMICARBON B.V.	Process for the preparation of polyvinyl alcohol articles of high strength and modulus.	29-12-90	6/14	32—F ₄ — GROUP- IX(I)	FC.
D 01 G :			Preliminary treatment of fibres, e.g. for spinning				
165886	06-03-87	TRUTZCHLER GMBH & CO. KG.	The device for blending of the card sliver or spunbonded tissue at a carding machine carding engine or similar thing.	03-02-90	15/00	172—C ₅	FC.
165905	11-08-86	E.I. DU PONT DE NEMOURS AND COMPANY	Apparatus and method for cutting tows into predetermined lengths.	10-02-90	1/00, 1/02, 1/04, 1/06.	172B 6, 9D	FC ₄
166038	02-09-87	TRUTZCHLER GMBH & CO. KG.	A device for the filling of a carding machine, carding engine, opener, cleaner or like with spinning material.	03-03-90	15/00, 21/00, 23/00	172—C ₅	FC.
166213	13-09-85	SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT.	A method and apparatus for obtaining dust free fibre.	31-03-90	9/08, 9/14	34—A, 172—B	FC.
166322	21-10-86	TRUTZCHLER GMBH & CO. KG.	A bale opener	14-04-90	7/00	143—E	FC.
166341	16-10-85	MASCHINENFABRIK RIETTER AG.	Device for cleaning sensing roller	14-04-90	15/80	172—D ₄	FC.
166386	25-08-86	TRUTZCHLER GMBH & CO. KG.	A device for the transportation of at least one can between a sliver supplying and a sliver loading spinning machine.	28-04-90	15/00	172—C ₉	FC.
166507	10-12-85	MASCHINENFABRIK RIETTER AG.	A device for controlling a machine for extracting fibre flocks from textile fibre bales.	19-05-90	7/14	172—C ₉	FC.
166675	17-12-85	MASCHINENFABRIK RIETTER AG.	Device for continuous determination of the cross-section or the mass of a fibre sliver.	30-06-90	27/00	172—C ₁	FC.
166850	10-06-87	TRUTZCHLER GMBH & CO. KG.	Apparatus for detecting the level of fibre material in a fibre material store.	28-07-90	23/00	146—D ₂ , D ₃	FC.
166927	01-04-86	SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT	A flat for carding machine.	04-08-90	15/24	172—C ₁ — GROUP- XX	FC.
166942	21-01-86	MASCHINENFABRIK RIETTER AG.	A device for extracting fibre flocks from textile fibre bales.	11-08-90	7/06	172—C _{3,9} — GROUP- XX	FC.
167108	01-09-87	TRUTZCHLER GMBH & CO. KG.	Lap leveller for a textile fibre processing machine.	01-09-90	25/00 31/00	172—B, D ₄ F	
167288	10-01-85	MASCHINENFABRIK RIETTER AG.	A winding apparatus for forming a lap	29-09-90	25/00	172—C ₁ — GROUP- XX	FC.
167699	04-01-87	TRUTZCHLER GMBH & CO. KG.	A carding machine	08-12-90	9/00 15/00	172—C ₁ , 9,	FC

1	2	3	4	5	6	7	8
		D 01 H :	Spinning or twisting				
165817	03-12-85	MASCHINENFABRIK RIETTER AG.	A travelling service device for servicing operating stations of a yarn processing machine.	20-01-90	9/04	172—F	FC.
165873	13-08-85	MASCHINENFABRIK RIETTER AG.	Method and apparatus for producing a yarn.	03-02-90	7/882	172—F	FC.
166161	05-06-86	ALLAN NICHOLAS JACOBSEN	Method of preparing and apparatus for assembling fibres for spinning to form a yarn.	24-03-90	1/00	172—B	F.
166178	20-09-85	SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT	Method and apparatus for joining thread for an open end friction spinning head.	24-03-90	1/12	172—D ₂	FC.
166212	03-09-85	MACHINENFABRIK RIETTER AG.	A friction spinning device.	31-03-90	1/243	172—D ₁	FC.
166294	30-10-85	MASCHINENFABRIK RIETTER AG.	An apparatus for supplying bobbins selectively to a tender or to tenders on opposite sides of a textile machine.	07-04-90	9/10	172—D ₂	FC.
166334	22-11-85	SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT.	An open-end spinning process and device.	14-04-90	7/882	172—D ₈	FC.
166492	04-10-85	SCHUBERT & SLIZER MASCHINENFABRIC AKTIENGESELLSCHAFT.	A method and an apparatus for thread joining in an open and spinning apparatus.	19-05-90	7/892	172—D ₂	FC.
166571	20-11-85	SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT.	An open end spinning apparatus and process.	09-06-90	7/882, 7/892	172—D ₈ XX	FC.
166602	20-11-85	SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT.	An open end spinning device.	09-06-90	1/14	172—D ₈ GROUP-XX	FC.
166603	20-11-85	SCHUBERT & SLAZER MASCHINENFABRIK AKTIENGESELLSCHAFT.	A method and device for friction spinning of yarn.	09-06-90	7/882 15/00	172—D ₈ GROUP-XX	FC.
166677	24-12-85	SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT.	Open-end spinning apparatus	30-06-90	7/882	172—D ₈	FC.
166799	28-08-87	UZBEXKOE PROIZVODSTVENNOE OBIEDINENIE TEXTILNOGOMASHINOSTROENIA.	Apparatus for producing self-twisted fibrous product.	21-07-90	7/00	172—D ₈	FC.
166850	10-06-87	TRUTZCHLER GMBH & CO. KG.	Apparatus for detecting the level of fibre material in a fibre material store.	28-07-90	9/00 13/00	146—D ₂ , D ₃	FC.
166936	29-01-86	SOBREVIN SOCIETE DE DREVETS INDUSTRIELS. ESTABLISSEMENT	A device for continuously delivering threads.	11-08-90	13/32	119—B & 174—D ₄	FC.
166976	19-10-87	ZINSER TEXTILMACHINEN G.M.B.H.	Vertically adjustable drawing frame for textile machines.	11-08-90	5/00	172—C ₄ XX	FC.
166985	18-02-86	MASCHINENFABRIK RIETTER AG.	Spinning device for open-end spinning.	18-08-90	7/882	172—D ₈	FC.

1	2	3	4	5	6	7	8
167042	24-12-85	SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT	An open and spinning machine.	25-08-90	7/882	172—D8 GROUP-XX	FC.
167181	03-03-86	MASCHINENFABRIK RIETTER AG.	A device for delining and controlling a predetermined length of yarn preparatory to piecing a rotor spinning machine and for releasing said length of yarn for piecing.	15-09-90	15/02	172—D ₃ - GROUP-XX	FC.
167191	19-12-85	LAKSHMI MACHINE WORKS LIMITED	A device for positioning the flyers in a desired angular position whenever a textile machine is stopped.	15-09-90	1/04	172—D ₈ GROUP-XX	IC.
167236	21-03-86	MASCHINENFABRIK RIETTER AG.	An improved apparatus for the transporting of cans filled with textile material.	22-09-90	9/02	172—D ₄ - GROUP-XX	FC.
167273	09-04-86	MASCHINENFABRIK RIETTER AG.	Method for piecing a yarn in a friction spinning device.	29-09-90	15/00	172—D ₄ - GROUP-XX	FC.
167316	30-04-86	MASCHINENFABRIK RIETTER AG.	Method and device for spinning a yarn in accordance with the open end-friction spinning principle.	06-10-90	1/243	172—B & D ₈ GROUP-XX	FC.
167332	16-04-86	MASCHINENFABRIK RIETTER AG.	Friction spinning means and a process of spinning yarn with the said spinning means.	06-10-90	1/243	172—D ₈ GROUP-XX	FC.
167383	02-05-86	MICHELE RATTI S.P.A.	Device for cutting yarn coming from a spindle and in particular from a two-for-one twisting spindle.	20-10-90	9/16 13/12	172—D ₄ GROUP-XX	FC.
167393	21-10-86	PALITEX PROJECT-COMPANY GMBH.	A two-for-one twisting spindle having a spindle rotor.	20-10-90	7/86, 11/00	172—D ₅ GROUP-XX	FC.
167799	18-07-86	SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT.	A method and device for manufacturing improved quality of yarn by joining the thread in an open-end friction spinning device.	22-12-90	7/882	172—B- GROUP-XX	FC.
167803	28-07-86	SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT.	A method and an apparatus for open end friction spinning.	22-12-90	7/882	172—D _{4,6} GROUP-XX	FC.
167844	05-08-86	SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT.	A method and an apparatus of producing yarn by open end friction spinning	29-12-90	7/882	172—D ₄ - GROUP-XX	FC.
D 02 ;			Yarns. mechanical finishing of yarns of ropes, warping or beaming				
D 02 G ;			Crimping or curling fibres, filaments, yarns or threads; Yarns or threads				
165905	11-08-86	E.I.DU PONT DE NEMOURS AND COMPANY	Apparatus and method for cutting	10-02-90	1/00	172B ₆ , 9D ₄	FC.
166237	25-10-85	UNIROYAL ENGLEBERT TEXTILCORD S.A.	A method and device for producing an electrostatically flocked filament or yarn, and a flocked filament or yarn.	31-03-90	3/34	172—F	FC.
166679	10-01-86	MONSANTO COMPANY	A process for making an apparel yarn suitable for drawtexturing and an apparel yarn thereof.	30-06-90	3/00	172—F- GROUP-XX	FC.

1	2	3	4	5	6	7	8
166706	08-01-87	E.I.DU PONT DE NEMOURS AND COMPANY	A continuous multifilament crimped polypropylene yarn suitable for use in loop pile carpeting and process for making the same.	07-07-90	1/00	34—A	FC.
165790	28-03-87	UZBEKKOE PROIZVODSTVENNOE OBEDINENIE TEX-TILNOGOMASH INOSTROENIA.	Apparatus for producing self-twisted fibrous product.	21-07-90	1/00, 3/00	172—D ₈	FC.
		D 03 ;	WEAVING				
		D 03 C :	Shedding mechanisms. pattern cards or chains; Punching of cards. Designing patterns.				
166326	31-03-86	SULZER BROTHERS LIMITED	An arrangement for storing filamentous material for picking in a weaving machine.	14-04-90	5/00	119—B,E, F ₆ , F ₄	FC.
167462	31-08-88	JOHN. T. HARDEKAR (INDIA) PRIVATE LIMITED	An improved jacquard.	03-11-90	3/00	119—A+B E XXI (3)	IC.
		D 03 D :	Woven fabrics ; Methods of weaving ; Looms				
165741	27-08-84	SULZER RUTI MACHINERY WORKS LTD.	Weaving machines.	06-01-90	47/00, 47/30, 47/48	119—F ₆ , 33;199—D	FC.
165772	16-08-85	DE-KO-WE SCHURHOLZ TEPPICHFABRIK GMBH.	A supporting strip for securing slope covers against slippage.	06-01-90	15/00	172—C ₉	FC.
166167	13-06-84	SULZER BROTHERS LIMITED.	Weft yarn insertion apparatus for a fluid weaving loom.	24-03-90	45/00	119—B	FC.
166253	18-04-86	WILCOM PROPRIETARY LIMITED	Apparatus for actuating predetermined patterns of pins in a jacquard mechanism of a textile machine.	31-03-90	3/00	119—B	C
166326	31-03-86	SULZER BROTHERS LIMITED	An arrangements for storing filamentous material for picking in a weaving machine.	14-04-90	45/00 49/00	119—B,E F ₃ , F ₄	FC.
167110	10-09-87	LINDAUER DORNER GESELLSCHAFT M.B.H.	Multi-feed weaving machine.	01-09-90	41/00 45/00 47/26	119—B,D F ₃ & 4	FC.
167263	18-02-87	FRANZ X STARLINGER-HUEMER.	Method and device for the manufacture of a tubular fabric in particular for the manufacture of sacks.	29-09-90	3/02	119—B,D; F ₃ C.	F.
167456	03-06-86	VAMATEX S.P.A.	Device for guiding the weft-carrying gippers and their control straps through the shed of gripper looms.	27-10-90	47/14	119F ₄ GROUP- XXI(3)	C
167786	10-09-87	LINDAUER DORNIER GESELLSCHAFT M.B.H.	Method for weaving and device for carrying out of the method.	22-12-90	45/00 47/00	3,6,7, 119—F	FC.
167868	10-11-87	FRANZ XAVER STARLINGERHUEMER	Circular loom for producing leno fabric	29-12-90	37/00	119—B, C,D.	F.
		D 03 J :	Auxiliary weaving apparatus ; Weaver's tools; Shuttles.				
166167	13-06-84	SULZER BROTHERS LIMITED.	Weft yarn insertion apparatus for a fluid weaving loom.	24-03-90	1/00	119—B	FC.

1	2	3	4	5	6	7	8
		D 04 :	BRAIDING; LACE MAKING; KNITTING; TRIMMINGS, NON-WOVEN FABRICS:				
		D 04 B :	Knitting.				
166673	29-12-86	THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION.	A modified cum set having a non-linear profile for weft knitting machines.	30-06-90	13/00	110-XXI (2)	IC.
167255	21-01-87	THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION	A storage positive feeding device with integral stop motion cum yarn positioner for feeding the yarns positively at a predetermined constant rate to the knitting elements of a circular weft knitting machine.	29-09-90	15/38	1/0-GROUP XXI(2)	IC.
167313	08-04-87	1. KANDASWAMY VENKATACHALAM RAMACHANDRAN 2. Dr. VENKATACHALAM RAMACHANDRAN SIVAKUMAR 3. VENKATACHALAM RAMACHANDRAN KUMARAVEL 4. MISS VENKATACHALAM RAMACHANDRAN SHANTHI	A yarn feeding mechanism for a circular fabric machine.	06-10-90	9/44	172—D1 GROUP XX	I.
167314	29-04-86	1. KANDASWAMY VENKATACHALAM RAMACHANDRAN 2. Dr. VENKATACHALAM RAMACHANDRAN SIVAKUMAR 3. VENKATACHALAM RAMACHANDRAN KUMARAVEL 4. MISS VENKATACHALAM RAMACHANDRAN SHANTHI	A main drive system for a circular knitting machine.	06-10-90	9/44	110-GROUP -I, XXI(2)	
167462	31-08-88	JOHN T. HARDEKAR (INDIA) PRIVATE LIMITED	An improved jacquard.	03-11-90	15/84	119A+B+E—XXI(3)	IC.
		D 04 H :	Making textile fabrics e.g. from fibres or filamentary material; fabrics made by such processes or apparatus e.g. felts, non-woven fabrics; Cotton-wool; Wadding.				
166527	30-12-85	MINNESOTA MINING AND MANUFACTURING COMPANY	Absorbent nonwoven web.	26-05-80	1/12	155—A, 155—B	FC.
		D 05 :	SEWING EMBROIDERING TUFTING				
		D 05 B :	Sewing				
166895	18-08-83	THE CHARLES STARK DRAPER LABORATORY INC.	A system for controlling the position of a strip of material along a first axis with respect to a seam joining device.	04-08-90	97/00, 21/00	165—C	FC.

1	2	3	4	5	6	7	8
167225	16-04-87	ORISSA RENEWABLE ENERGY DEVELOPMENT AGENCY	A device for stitching leaf plates	22-09-90	11/00	165—C	1C.
167556	10-05-88	HARIPADA DOLAI	Garment designer for manufacturing garments.	17-11-90	15/00 27/00 31/00 37/00	165—B,C, 60—D,F.	I.
		D 06 :	TREATMENT OF TEXTILES OR THE LIKE; LAUNDERING; FLEXIBLE MATERIALS NOT OTHERWISE PROVIDED FOR				
		D 06 B :	Treating textile materials by liquids, gases or vapours.				
166079	29-08-88	CHANABASAPPA BASA-LINGAPPA GANJI	High pressure high temperature beam dyeing machine having partially flooded system and a process of dyeing polyester and/or polyester blended fabrics/yarn by the said machine.	10-03-90	5/22	62—B- XXII(1)	1.
		D 06 C :	Finishing, dressing, tentering, or stretching Textile fabrics.				
166116	02-06-87	PRIMATEX MACHINERY PRIVATE LIMITED	Improvements in or relating to a stenter clip.	17-03-90	3/04	73-XXII (2)	1C.
		D 06 F :	Laundering, drying ironing, pressing or folding textile articles.				
166658	28-05-86	CLAPEN	A programming device for a laundry washing machine.	30-06-90	33/06	62—E	FC.
		D 06 M :	Treatment not provided for elsewhere in class D 06, of fibres, threads, yarns, fabrics, leathers, or fibrous goods made from such materials.				
166456	02-06-86	ACUMETER LABORATORIES INC.	Fluid coating and web-handling apparatus for non-woven and other low web tension tolerant materials and/or irregular surface thickness webs and the like.	12-05-90	11/00	155—A	FC.
166489	18-08-86	INDIAN COUNCIL OF AGRICULTURAL RESEARCH	A new durable chemical finishing process for production of antibacterial fabrics.	19-05-90	13/52	155—F ₂ , 73	1C.
166783	29-01-88	HINDUSTAN LEVER LTD.	A fabric treatment composition with softening properties.	14-07-90	15/09	62—D- XXII(I) 170D-XXIII (4)	1C.
166924	29-01-86	ALBANY INTERNATIONAL CORP.	A process for the manufacture of an improved air permeable substrate by treating with a treatment agent.	04-08-90	21/04	62—C/2, XXII(1)	FC.
167715	12-06-86	RHONE-POULENC FIBRES	A masterbatch composition for delustering a processable polyamide.	08-12-90	11/12	172—F- GROUP- XX	FC.
		D 06 P :	Dyeing or printing textiles, Dyeing leather furs, or solid macromolecular substances in any form.				
166716	10-02-88	VSESOJUZNY NAUCHNO-ISSLEDOVATELSKY I EXPERIMENTALNY INSTITUT PO PERERABOTOKE KHIMICHESKIKH VOLOKON	Foam composition for printing and dyeing of textile materials	14-07-90	1/52	66—C ₂	FC.

1	2	3	4	5	6	7	8
		D 07 B] :	ROPES, CABLES OTHER THAN ELECTRIC				
		D 07 B :	Ropes or cables in general.				
166158	01-04-87	OY NOKIA AB.	An apparatus to form a product such as cable by alternate reverse twisting method.	24-03-90	3/00, 1/00	48 ₂ A+A ₄ —FC. LVIII(3) 172 D ₅ - XX: 162- LXIV(7)	
166562	15-11-85	AMSTED INDUSTRIES INCORPORATED.	Plastic filled wire rope with standard spacer.	05-06-90	1/16	110—A	FC.
		D 21 ;	PAPER : MAKING PRODUCTIONS OF CELLULOSE				
		D 21 C ;	Production of cellulose by removing non-cellulose substances from cellulose-containing materials; Regeneration of pulping liquors; Apparatus therefor				
166375	16-06-86	BELOIT CORPORATION	A pressure screen apparatus	21-04-90	9/00, 9/08	145—B & E ₁	FC.
167296	01-03-88	PUDUMJEE PULP & PAPER MILLS LTD.	An improved method for delignification and pulping of lignocellulosic raw materials to recover lignin and used chemicals.	06-10-90	2/00, 3/02, 11/00	145—F ₂ +F ₃ FC. -XXIV (4)	
167310	18-07-86	INTEROX	Process for the delignification of cellulosic substances.	06-10-90	3/00	145—E- XXIV(4)	FC.
167565	18-08-87	BELOIT CORPORATION	Method and apparatus of preparing an intimate mixture of a plurality of fluent substances.	17-11-90	5/02	132-D	FC.
167741	11-07-86	REPLIGEN CORPORATION	A process for preparing improved wood pulp.	15-12-90	9/10	145—E ₃ , GROUP- XXIV(4)	FC.
		D 21 D :	Treatment of the digested materials before passing to the paper-making machine, Processes for adding substances to the formed web on the paper-making machine				
165872	07-08-85	MIPLY EQUIPMENT INC	A pressure saturator for impregnating a substrate with a saturant and a method for the same.	03-02-90	1/10, 5/00	154—D, 172—D ₄	FC.
166032	14-01-87	BELOIT CORPORATION	Jet velocity measuring apparatus	03-03-90	7/00	101—F, 105—C	FC.
166375	16-06-86	BELOIT CORPORATION	A pressure screen apparatus.	21-04-90	5/00	145—B & E ₁	FC.
167223	01-04-87	BELOIT CORPORATION	Disk refiner having sliding rigid multiple disks.	22-09-90	1/38	145—B & E ₁	FC.
167268	01-07-87	BELOIT CORPORATION	An apparatus for forming a web from a stock jet stream.	29-09-90	5/00	145—D, & E ₁	FC.
167507	19-12-85	THE JOHNSON CORPORATION	A rotary coupling for direct engagement on one hand with the end face of the Journal of a rotary heat exchanging drum and on the other hand with a fluid supply or exhaust and drainage system.	10-11-90	7/02	163—D- XLIV(3) I/G,I/H,I (VIII)	FC.
		D 21 F :	Paper-making machines, Methods of producing paper thereon				
166191	14-01-87	BELOIT CORPORATION	Dryer differential pressure controller.	24-03-90	5/00	61—J,H	FC.
157159	17-07-87	BELOIT CORPORATION	A web transfer apparatus	08-09-90	1/00, 5/00, 7/00	145-D	FC.

1	2	3	4	5	6	7	8
167268	01-07-87	BELOIT CORPORATION	An apparatus for forming a web from a stock jet stream.	29-09-90	1/00	145-D, Et.	FC.
167355	09-04-87	BELOIT CORPORATION	A disk screen for the manufacture of paper.	13-10-90	9/00 1/06	145-B,D	FC.
D 21 H :			Cardboard, Paper. Their manufacture not covered by subclass D 21 F.				
167027	17-06-86	ARJOMARI-PRIOUX	Security document containing a security means in which certain specific properties are detectable	18-08-90	5/10	145-B	FC.
167201	04-06-84	NORMAN ALFRED GARDNER AND MICHAEL PETER VOTICKY.	Document resistant to photo-copying	22-09-90	5/00	145-B	F.

Note : Classified list of the complete specification under other "SECTIONS" will be published in due course.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of Designs Act, 1911.

The date shown in the each entries is the date of the registration of the design included in the entry.

- Class 1. No. 163985. NSL Limited of Nagarjuna Hills, Hyderabad-500482, A.P., India. "Double sided double guard rail for vehicles". January 6, 1992.
- Class 3. No. 163681. Dutt Products of Inside Dariapur Gate, Opp : Vadigam, Ahmedabad-380001, Gujarat, India. "Bottle Trap". October 23, 1991.
- Class 3. No. 163880. Surjit Singh Gurmit Singh Ubhi of Ahmedgarh, Dist : Sangrur (Punjab), India, Indian Proprietary Concern. "Sickle". December 3, 1991.
- Class 3. No. 163908. Excel Straps Pvt. Ltd., Indian Company of Plot No. 5, Sector-27-A, Mathura Road, Faridabad-121002, Haryana, India. "Shoe". December 11, 1991.
- Class 3. No. 163948. Tainwala Chemicals & Plastic (India) Ltd. of 4-B, Giri Kunj Industrial Estate, Mahakali Caves Road, Andheri (East), Bombay-400093, Maharashtra, India. "Mosquito Repellent Apparatus". December 26, 1991.
- Class 3. No. 164035. Mrs. Subhra Singh, 372/A-1, Goregaon Park, Pune-411001, Maharashtra, India. "Garden Scissor". January 22, 1992.

Class 3. No. 164073. Sangam Brush & Plastic Works, Sita Kunj, flat No. 6, 2nd flr., Near National Hospital, Bhandar Gali, Opp : Candell Road, Mahim, Bombay-400016, Maharashtra, India, Indian Proprietary Firm. "Cup". February 13, 1992.

Class 3. No. 164115. Polyset Plastics Limited of A-44-45, MIDCO Off Mahakali Caves Road, Andheri (E), Bombay-400093, Maharashtra, India. "Container". February 21, 1992.

Class 3. No. 164159. Samsung Electronics Co. Ltd., 416, Maetan-dong, Kwonsun-gu, Suwon-City, Kyounggi-do, Morea, Korean Company. "Facsimile Transceiver". March 16, 1992.

Copyright extended for the 2nd period of five years.

Nos. 158175, 158543, 163805, 163806, 158536 & 158538

.. Class 1.

Nos. 163905, 158377, 158544, 158537 & 158539 .. Class 3.

Nos. 158818 and 163196

.. Class 4.

Copyright extended for the 3rd period of five years.

Nos. 151774, 151775, 163805, 163806 & 151877 .. Class 1.

Nos. 151769, 151776 to 151779, 163905, 151866, 151878, 151885 and 151886.

.. Class 3.

No. 163196.

.. Class 4.

R. A. ACHARYA

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